SVS-10266

in the interest of early and wide dissemination of Earth Resources Survey Program information and without liability for any use made thereot."

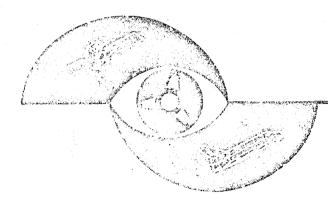
E83-10287

# LANDSAT-D FLIGHT SEGMENT OPERATIONS MANUAL

# APPENDIX A

(E83-10287) LANDSAT-D FLIGHT SEGMENT OPERATIONS MANUAL. APPENDIX A: COEFFICIENTS/CALIBRATION DATA (General Electric Co.) 671 p HC A99/MF A01 CS.L 12E N83-27289

Unclas





CONTRACT NO. NAS 5-25300

GENERAL 🏈 ELECTRIC

7763-DORT

CEBERAL (1) ELECTRIS	SECURITY CLASS.	CONTRACT		ALTERATION NO.												
SPACE SYSTEMS PHILA, PA.	UNCL	NA55-		SVS-1	102661	/3 -1										
ALTERATION NOTICE	INITIATOR	rm.no. ext. n	OPER.NO.	SESPIE S	#87 <b>-6</b> 4	SHEET /										
ALIENALLUN NULLE BRAWING OR SPECIFICATION TITLE	A GILMORE	10/035 2783	PORGNO.	\	GENANE											
LANDSAT D OPS MANU	AL-APPENDI	×A		7	$\Lambda$											
nature of Change	Control of the Contro			NEXT ASS	EMBLY N	ò.										
REPLACEMENT OF	AROMINA			AREA OR END LITEM												
Kerthen F OF	APPENDIA			persistance												
And the second of the second o				EFR NO.												
REASON FOR CHANGE		a department of the second	AND A TOTAL CONTROL OF THE STATE OF													
ADD CALIBRATION	V DATA	e - company of the company of the company of		ECP NO.												
	The management of the company of the	man an chair a share and the same of the s	<u></u>	CONTROL NO.												
د د محمد محمد محمد محمد محمد محمد محمد																
	The second secon															
REPLACE EN			and the second second	494												
NEPLACE EX	TTIRE DOC	UMENT AP	PENDIX	A												
SEE 515-102	11 1005	INVER FOR	2 18/1	× /^	11212											
SEE 5/5-102	66, APPEN	OIX M. HOR	2 0029	2 201	NOTT	ON										
		العام المناسبات		-	-											
•	en general de la companya de la comp	The second secon	• * * * * * * * * * * * * * * * * * * *			-										
a part of the second	• • •															
	ORIGIN	IAL PAGE IS														
	OF PC	OOR QUALITY														
9	N = symmetric		• • ;		-											
	موداد مومشتها به دیده می مراسی	الدارية والمستشفرة المراجعة المراجعة المراجعة المستشفرة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المستشفرة المراجعة ا				.*										
			••	-												
•	· <del>· ·</del> · · · · · · · · · · · · · · · ·	_ = 1	**		•											
			* .													
••		n general production of the second	• • •		• •											
en e		· · · · · · · · · · · · · · · · · · ·		er transfer of the second												
		****	•			÷										
•				***												
		en e	2.3	.*												
	• • • • • • • • • • • • • • • • • • • •	in the second of				* 2										
				= 3												
·		·														
	ECTIVITY		CLASS	CODE	T	PE										
	ANDSAT D	a part part Apple	d	<u> </u>		3 A 500 PM										
SPE VILL STORY	CHANGE AF	FECTS	WRITTEN	PROVAL	S AND E	JAIL										
DE STATE	FRMHCE COST		1/1/41.	mel.1												
DISPOSITION CONTROL SPE		Ÿ	Checken	BY	RECE	1/29/8										
EWORK RF	SPARES	HONE	11. He	Lynner.	Fore	MA ERB										
	EIGHT A POWER	ARIN	CHANNEL	CHUB EY												
RET TO STOCK	ER OPERATIONS AFF	A SEC THE AS. B. C.	DESIGN E	now.												
RECUALIFY	on orenations AFF	The I Ibli	A CON E													
	TRIBUTION CODE	to a first transmission of the production of the analysis of the production of the state of the	नद केपू		<del> </del>											
NONE	0.10 1															
EXPLAN, FOR MAT'L. DISP.	5 V 5-10266/3	- 0-11	PROD. COR	NEC	CUSTOM	ER										
PAIRTS SEC	SVS-10266/3 DIST VERT	FIED EAR	-		068.60	151 5 5 5 5 5										
CONFORM SEC	INCI	7.10-82 PCR	DCB REP.	1	الماطروب	IEMAN 7/3										

FORM 1037-T (REV. 10-79)

SIGNATURES CAN KENNSET COISE PAGE APPENDIX A
COEFFICIENTS/CALIBRATION DATA

LANDSAT-D

FLIGHT SEGMENT

OPERATIONS MANUAL

APPENDIX A

COEFFICIENTS/CALIBRATION DATA

### Prepared For

Goddard Space Flight Center Greenbelt, Maryland 20771 Under Contract No. NAS5-25300

General Electric Company
Space Systems Division
Valley Forge Space Center
P. 0. Box 8555
Philadelphia, Pennsylvania 19101

PREPARED		DATE:	11 June 82
	A. Gilmore, Operational Systems Specialist		J
APPROVED	BY: DE Regn for T. ('. Appli T. Aepli, Manager	DATE:	6/14/82
	T. Aepli, Manager Landsat-D Systems Engineering		
APPROVED		DATE:	6/11/82
	R. Hicks, Manager Landsat-D Ground Segment		, , , , , , , , , , , , , , , , , , ,
APPROVED	BY: L Balch for 10. Wale W Wolfe, Manager	DATE:	6-11-52
	Landsat-D FS Engineering		
APPROVED	The state of the s	DATE:	6-11-83
	S. Capodict, Manager Landsat-D Program		
,			6 17.87
ISSUED BY	1:	DATE:	8.10.13
	Print Control & Reproduction		

SVS-10266/3A Appendix A June 1982

### REVISION LOG

This log identifies those portions of this specification which have been revised since original issue. Revised portions of each page, for the current revision only, are identified by marginal striping.

Revision	Paragraph Number(s) Affected	Rev. Date								
<b>A</b>	ALL - inc. AN-1	June 1982 RC 8:10-82 J.W								
		*								
		-								
		5e								

SVS-10266/3A Appendix A June 1982

### TABLE OF CONTENTS

Section		Page
A.1	INTRODUCTION A.1.1 Explanation of Landsat-D Flight Segment Telemetry	A.1-1
	Calibration Curves	A.1-1
A.2	REFERENCES	A.2-1
A.3	MODULAR ATTITUDE CONTROL SYSTEM (MACS) TELEMETRY CALIBRATION DATA	A.3-1
	A.3.1 Earth Sensor Assy Module (ESAM) Data	A.3-92
A.4	COMMUNICATIONS AND DATA HANDLING (C&DH) SUBSYSTEM TELEMETRY CALIBRATION DATA	A.4-1
	A.4.1 Remote Interface Unit (RIU) Data	A.4-34
A.5	NARROWBAND TAPE RECORDER (NBTR) TELEMETRY CALIBRATION DATA A.5.1 NBTR MISSROM Data	A.5-1 A.5-36
A.6	ON-BOARD COMPUTER (OBC) TELEMETRY CALIBRATION DATA	A.6-1
A.7	PROPULSION MODULE (PM) TELEMETRY CALIBRATION DATA	A.7-1
A.8	SIGNAL CONDITIONING & CONTROL UNIT (SC&CU) TELEMETRY CALIBRATION DATA	A.8-1
A. 9	MODULAR POWER SYSTEM (MPS) TELEMETRY CALIBRATION DATA	A.9-1
A.10	SOLAR ARRAY DRIVER AND POWER TRANSMISSION ASSEMBLY (SADAPTA) TELEMETRY CALIBRATION DATA	A.10-1
A.11	POWER DISTRIBUTION UNIT (PDU) TELEMETRY CALIBRATION DATA	A.11-1
A.12	DIGITAL PROCESSING UNIT (DPU) TELEMETRY CALIBRATION DATA	A.12-1
A.13	WIDEBAND COMMUNICATION SUBSYSTEM (WBCS) TELEMETRY CALIBRATION DATA	A.13-1
A.14	THEMATIC MAPPER (TM) TELEMETRY CALIBRATION DATA	A.14-1
A.15	GLOBAL POSITIONING SYSTEM (GPS) TELEMETRY CALIBRATION DATA	A.15-1
A.16	DIRECT ACCESS S-BAND (DASB) TELEMETRY CALIBRATION DATA	A.16-1
A.17	MULTI-SPECTRAL SCANNER (MSS) TELEMETRY CALIBRATION DATA	A.17-1
A.18	PAYLOAD CORRECTION DATA (PCD) TELEMETRY CALIBRATION DATA A.18.1 Angular Displacement Sensor (ADS) Data	A.18-1 A.18-2

LSD-WPC-263

SVS-10266/3A Appendix A June 1982

# TABLE OF CONTENTS

Section		Page
A.19	THERMAL CONTROL SUBSYSTEM (TCS) TELEMETRY CALIBRATION DATA	A.19-1
A-20	SOLAR ARRAY RETENTION, DEPLOYMENT, AND JETTISON ASSEMBLY (SARDJA) TELEMETRY CALIBRATION DATA	A.20-1
A.21	BOOM ANTENNA RETENTION, DEPLOYMENT, AND JETTISON ASSEMBLY (BARDJA) TELEMETRY CALIBRATION DATA	A.21-1
A.22	NOT USED	A.22-1

### APPENDIX A.1

### INTRODUCTION

Explanation of Telemetry Calibration Curves

Telemetry calibration curves for the Landsat-D subsystems are defined by nth order polynomial equations which convert telemetry counts to engineering units:

$$Y = A_0 + A_1 X + A_2 X^2 + \dots A_n X$$

where A<sub>0</sub> through A<sub>n</sub> = constant coefficients

X = telemetry counts

Y = engineering units

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry counts versus engineering units.

A typical set of calibration data is shown in Table A.1-1. This table represents RIU 01 A temperature (CTRIUA) calibration data for the CSDH subsystem. A0 through A5 are coefficients of a 5th order polynomial equation used to convert telemetry counts to engineering units (temperature in  $^{\circ}$ C). An example of how to use this table to obtain RIU 01 A temperature is shown below.

Suppose the telemetry readout is 3 counts. Substituting 3 counts for X in the polynomial equation, and using the values for  $A_0$  through  $A_5$  given in Table A.1-1.

Y = 
$$.1234 \times 10^3 - (.2073 \times 10^1) (3) + .2266 \times 10^1 (3^2)$$
  
-0.1514 × 10<sup>3</sup> (3<sup>3</sup>) + .5174 × 10<sup>-6</sup> (3<sup>4</sup>) - .7163 × 10<sup>-9</sup> (3<sup>5</sup>)

Therefore.

Y(RIU 01 A temperature) = .1174 x 10<sup>3</sup> °C (See Table A.1-2)

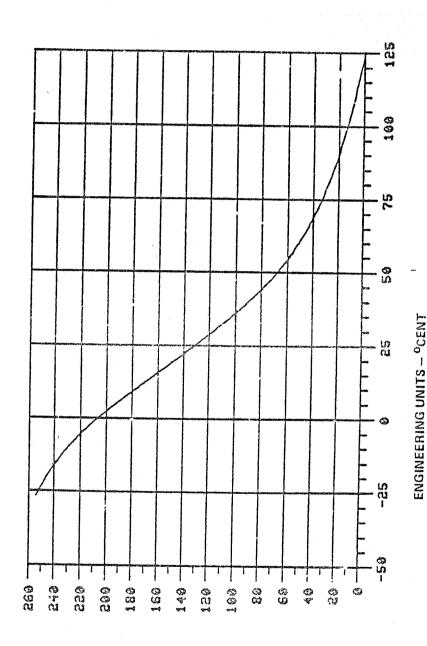
NOTE: No value given for a coefficient in the calibration data tables indicates that the coefficient is not used.

LSD-WPC-263

Bedyagang and a common the second of the common and the common and

-0.71635-09	ENG UNITS	10962+0	0.14858+0	878E+0	0.2276E+0	0.2679E+0	3499E+	0,3918E+0	0.43416+0	0.4771E+0	207E+0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.6554E+0	.7017E+0	0.7488E+0	0.79666.0	0.8452E+0	0.8546640	0 4 1 5 1 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0-3004240	11015+0	0.1155E+0	0.121CE+0	.1267E+0	0 - 1 5 2 4 2 4 5 6 0	0.1442E+0	0-1502E+0	0.1564E+0	0.1528E+0	0 16 72 E + U	825E+0	0.1894E+0	0.1964E+0	0.2036540	134540	0.2261E+0	2339E+0	.2 920E+0	0.2501E+0	**************************************		0 × 7 (0 ) F + 1			
4E-06 A5=-0	COUNTS	5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	-	~	-	e4 :	4 60	-	•		-	~ ^		. ~	a	C.	~	<b>n</b> 1	N 6	4 11	'n	1673	<b>(C)</b>	m	<b>~</b> P/	3 M	<b>~</b>	m	•	•	7 W		•	•			ທ	un i	ഗ	<b></b> .	กน	,,			
-03 A4= 0.5174E	G UNITS	16435+0	1610E+0	15788+0	1546E+0	15136+0	14815	14165+0	1384E+0	1352E+0	1320E+0	12875+0	1223540	11916+0	.1158E+0	1126E+0	10948+0	1062E+0	10295+0	9966640	93186+0	8993E+0	3666E+0	83395+0	.8012E+	7354540	7023E+0	6692E+0	6359E+0	.6025E+0	.5353E+0	.5015E+0	.4675E+0	4333549	3663540	3296E+0	29465+0	.2593E+0	.2238E+0	•1881E+0	.1520E+0	11268+0	4202E	. * 681E-0	.3302E+0
=-0.1514E-	COUNTS	157	158	159	160	191	162	164	165	156	167	168	170	171	172	~	174	-	176		- 1-	180	8	æ	183	0.0	186	α	∞ .	189	191	ຸຫ	193	g, c	υa	, o,	(P	O,	Φ.	$^{\circ}$	<u>,</u> , , ,	٠,	203	0	0
FOR CTRIUA 0.2266E-01 A3=	STING ON	3499E+0	33635+0	3327E+0	37678	3255E+0	3219E+0	31496	31136 0	3078E+0	30435+0	30090+3	257555	2905F+0	2870E+0	28365+0	28025+0	,27685+0	27346+0	0 4 10 0 7 7 6	0630590	2598E+0	.2564E+0	25315+0	0+34642	0454540	23975*0	.2354E+0	*2330540	.2297E+0	.2254E+0	0 + 38612*	.21655+0	.2132E+0	0+36602•	0438202*	.2001E+0	•1968E+0	•1935E+0	19036+0	• 3879E •	0.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5	o ~	30411	.1707E+0
ING UNITS E+01 A2=	COUNTS	4 K	106	107	108	109	0 -	112	113	114	115	116	110	6.1	120	121	122	123	124	125	127	128	129	130	131	751	40.0	135	136	137	158	140	141	2 4 5	9	4 4	146	147	148	64	150	er o	2 KT	154	155
S VS ENGINEER	IG UNITS	5910E+0	57765+0	57115+0	56488+0	5585E+0	5523E+0	5404540	5345E+0	5288E+0	52316+0	5176E+0	5121E+0	50105	496260	4911E+0	4.8.6.0 E.+ 0	.4810E+0	4761E+0	4712E+0	4554E+0	45706+0	45245+0	.4478E+0	4433E+6	4 3694 4	4304054	.4258E+C	.4216E+0	.4174E+	40915+	40505+	+3600+	.3969E+	. 3929E+	38505+0	3811€+(	.3772E+(	.3734E+	.3696E+	* 558E+	*3520E+	0.3546E+02	+3509E+	.3472E+
COUNT = 0.1234E+	COUNTS	CAL H	ກ <b>ເ</b>	. 23	5.6	5.7	8 0	, C ,	200	6.2	63	¢ 9	92	0.7	9	6.9	7.0	7.1	72	73	4 4	2.5	11	7.8	79	0.00	4 6	9 80	84	85	98	- 88	89	0.6	91	7 6	46	95	9.6	16	98	٠	000		_
COEFFICIENTS:A0:	G UNITS	1234540	1104540	1174E+0	11555+0	1135540	11186+0	0470011	1053540	1048E+0	10325+0	10155+0	99975+0	97695E+U	9545540	94025+0	9261E+0	91235+0	8988E+0	.3856E +0	0.438248	36 785 60	83576+0	82395+0	81295+0	0011540	77325*0	7687E+0	.7583E+0	14825+0	7383540	* (2005 v) * 7191F v0	7093E+0	70075*0	69175+0	6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6651E+0	65792+0	0+39649•	0+30249•	.6342E+0	62675+0	0.61935402	3.6469	.5978E+0
03	COUNTS	<b>.</b>	<b>,</b> (	u m	3**	'n	اوب	<b>~</b> .c	ေတ	10	-	12	10 ·	er u	4	17	18	19	20	21	22	7 4	25.	26	27	0 G	\$ Z F	33	35	33	37 H	ט אינ ט אינ	) K)	38	39	⊃ + 4	4 0	(M)	4	45	9.4	<b></b>	47 4 CC CC	50	51

Table A.1-2. Calibration Curve COUNTS US ENGINEERING UNITS FOR CTRIUA



しょりにいい くりょうほうしょう

# APPENDIX A.2

### REFERENCE

Landsat-D Data Base (Rev. 19, 5/28/82)

SVS-10266/3A Appendix A June 1982

### APPENDIX A.3

MODULAR ATTITUDE CONTROL SYSTEM (MACS) TELEMETRY CALIERATION FATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry voits (counts) vs. engineering units.

MACS CONV. DEF.

· \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

```
ADS POINT
                    ; ACE A IRU ROLL POSITION in degrees
FOIRT
         AAIRUXPN
                    . 0.5965E+02,-0.4660E+00
COEFF
         AAIRUXPN
                    ; ACE A IRU PITCH POSITION in degrees
POINT
         AAIRUYPN
         AAIRUYPN
COEFF
                    . 0.5965E+02,-0.4660E+00
POINT
         AAIPUZPN
                    ; ACE A IRU YAW POSITION in degrees
COEFF
         AAIRUZPH
                     0.5965E+02,-0.4660E+00
                    : ACE A -18V REG VOLTAGE in volts
POINT
         T_V8TAAA
                    , -.4864E+2,.2500
         AAN18VLT
COEFF
                    ; ACE A POWER CONDITIONER TEMP in deg. centigrade
         .APWRCDT
POINT
                     42.97.1.056,-.04026,.4455E-3,-.2115E-5,.3616E-8
COEFF
         AAPWRCDT
                    ; ACE A TAM ROLL COMPENSATED SIGNAL in M Gauss
POINT
         AAXTAMCP
                    , -0.4500E+03,0.3125E+01
COEFF
         AAXTAMCP
                    ; ACE A TAM PITCH COMPENSATED SIGN in M Gauss
POINT
         AAYTANCP
                    , -0.40C0E+03,0.3125E+01
COEFF
         AAYTAMCP
POINT
         AAZTAMCP
                    : ACE A TAM YAW COMPENSATED SIGNAL in M Gauss
         SAZTAMOP
                    , -0.4000E+03,0.3125E+01
COEFF
POINT
         ABIRUXPN
                    ; ACE B IRU ROLL PUSITION in degrees
         ABIRUXPN
                    , 0.5965E+02,-0.4660E+00
COEFF
POINT
         ABIRUYPN
                    ; ACE B IRU PITCH POSITION in degrees
                    , 0.5965E+02,-0.4660E+00
COEFF
         ABIRUYPN
POINT
         ABIRUZPN
                    ; ACE B IRU YAW POSITION in degrees
                                   , -C.4660E+00
         ABIPUZPN
                    . 0.5965E+02
COEFF
POINT
         ABN18VLT
                    ; ACE B -1EV REG VOLTAGE in volts
COEFF
                    , -.4864E+2, .2500
         ABNISVLT
                    ; ACE B POWER CONDITIONER TEMP in deg centigrade
POINT
         ABPWRCDT
                     42.97,1.056,-.04026,.4455E-3,-.2115E-5,.3616E-8
COSFF
         ABPWRCDT
POINT
         ABXTAMCP
                    ; ACE B TAM ROLL CUMPENSATED SIGNAL in M Gauss
COEFF
         ABXT MCP
                     -0.4000E+03,0.3125E+01
POINT
         ABYTAMCP
                    ; ACE B TAM PITCH COMPENSATED SIGNAL in M Gauss
                    , -0.4000E+03,0.3125E+01
COEFT
         ABYTAMCP
POINT
         ABZTAMCP
                    ; ACE B TAM YAW COMPENSATED SIGNAL in M Gauss
COEFF
                    . .0.40C0E+03,0.3125E+01
         ABZTAMCP
POINT
         ACSS1Y
                    ; CSS 1 PITCH POSITION ERROR in degrees
                    , -21.027,.1643
COEFF
         ACSS17
                     CSS 1 YAW POSITIC' ERROR in degrees
POINT
         ACSS1Z
                    , -21.027,.1643
COEFF
         ACSS1Z
POINT
         ACS 52Y
                    ; CSS 2 PITCH POSITION ERROR in degrees
                    , -21.027,.1643
COEFF
         ACSS2Y
POINT
         ACSS2Z
                    ; CSS 2 YAW POSITION EKROR in degrees
COEFF
         ACSS2Z
                    , -21.027,.1643
                     OPT AYIS ROT FSS X AXIS in
POINT
         AFSSCUTX
                     -32,.00391
         AFSSOUTX
CUEFF
POINT
         AFSSOUTY
                     OPT AXIS ROT FSS Y AXIS in
                    , 32,-.00391
; FSS TEMP in deg. centigrade
CUEFF
         AFSSOUTY
POINT.
         AFSSTMP
                      42.97,1.056,-.04026,.4455E-3,-.2115E-5,.2616E-8
COEFF
         AFSSTMP
POINT
         AIRUAMTI
                    ; IRU CHANNEL A MOTOR CURRENT in Amps
                    . 0.0.0.814
COEFF
         AIRUAMTI
```

```
POINT
                   ; IRU CHANNEL A TEMP in deg centigrade
         AIRUATAP
COEFF
         AIRUATMP
                     129.9.-2.056..02139.-.1222E-3..3498E-6.-.3937E-9
                   ; IRU CHANNEL A REG VOLTAGE in volts
POINT
         AIRUAVLT
COEFF
         AIRUAVLT
                     0..02
                   ; IKU CHANNEL B MOTOR CURRENT in Amps
POINT
         AIRUBMTI
COEFF
         AIRUBMTI
                     0.0,0.814
                    ; IRU CHANMEL B TEMP in deg. centigrade
POINT
         AIRUBTMP
                     129.9,-2.058,.02139,-.1222E-3,.3498E-8,-.3937E-9
COEFF
         AIRUBTHP
POINT
                     IRU CHANNEL B REG VOLTAGE in volts
         AIRUBVLT
COEFF
         AIRUBVLT
                     0..02
POINT
                   ; IRU CHANNEL C MOTOR CURRENT in Amps
         AIRUCHTI
COEFF
         AIRUCMTI
                     0.0,0.814
FOINT
                    ; IRU CHANNEL C TEMP in deg. centigrade
         AIRUC TMP
COEFF
         AIRUCTMP
                      129.9,-2.058,.02139,-.1222E-3,.3498E-6,-.3937E-9
POINT
         ATRUCYLT
                     IRU CHANNEL C REG VOLTAGE in volts
                      0,.02
COEFF
         AIRUCYLT
         AIRUOBTP
POINT
                     OPTICAL BENCH TEMP (IRU) in deg. centigrade
                      0.8441E+02,-0.1256E+01,0.7699E-02,-0.2040E-04
COEFF
         AIRUOBTP
POINT
         AN15VOLT
                    ; ACE A/B -15V REG VOLTAGE in volts
CCEFF
         AN:5VOLT
                      -.3938E+2,.1932ECO
                    ; ACE A/B -15V REG VOLTAGE in volts
POINT
         AP15VOLT
CCEFF
         AP15VOLT
                     0,.12
                     ACE A/B +28V REG VOLTAGE in volts
POINT
         AP28VOLT
                     0,.22
COEFF
         AP28VOLT
POINT
         AP5VOLT
                     ACE A/B +5V REG VOLTAGE in volts
COEFF
         AP5VOLT
                     0,.04
POINT
         APSUTIAP
                     PSU TEMP in deg. centigrade
                     42.97,1.056,-.04026,.4455E-3,-.2115E-5,.3616E-8
COEFF
         APSUTMP
POINT
         ARI U27 MP
                     RIU 02 TEMP in deg. centigrade
                     0.1060E+03,-0.1315E+01,0.9660E-02,-0.4130E-04,0.6412E-07
COEFF
         ARIU2TIP
POINT
         ASTIHORZ
                    ; FHST 1 HORIZ STAR POS in degrees
COEFF
         ASTIHORZ
                     0,1.86252E-9
POINT
         ASTIMAG
                    ; FHST 1 STAR INTENSITY in visual magnitude
                      .5771E+1,-.8422E-1,.1110E-2,-.8754E-5,.3544E-7,-.5683E-10
COEFF
         ASTIMAG
         ASTITEMP
POINT
                    ; FHST I TEMP in deg. centigrade
                     -27.84,0.44688
COEFF
         ASTITEMP
POINT
         ASTIVERT
                    ; FHST 1 VERTICAL STAR POS in degrees
                     0,1.86252E-9
COEFF
         ASTIVERT
POINT
         AST2H01
                     FHST 2 HORIZ STAR POS in degrees
COEFF
         AST2HOR_
                      7.1.86252E-9
POINT
         AST2M/.G
                    , FHST 2 STAR INTENSITY in visual magnitude
                      .5645E+1,-.8338E-1,.1153E-2,-.9278E-5,.3763E-7,-.5962E-10
COEFF
         AST2MAG
POINT
         AST2TEMP
                    ; FHST 2 TEMP in deg. centigrade
                     -27.75,0.51576
COEFF
         AST2TEMP
                    ; FHST 2 VERTICAL STAR POS in degrees
         AST2VERT
POINT
COEFF
         AST2VERT
                      0.1.86252E-9
POINT
         ASTACHA
                    ; SKEW SRW TACH A in RPM
COEFF
         ASTACHA
                      -2766,21.61
         ASTACHB
                    ; SKEW SRW TACH B in RPM
POINT
COEFF
         ASTACHB
                      -2766,21.61
POINT
         ASTOBTMP
                      OPTICAL BENCH TEMP in deg. centigrade
                     0.8441E+02,-0.1256E+01,0.7699E-02,-0.2040E-04
COEFF
         ASTOBTM
POINT
                      SKEW SRW DRIVE CONTROL in volts
         ASIMDRYA
COEFF
         ASWHDRYA
                     0.0,0.0.1.6E-4
POINT
         ASWHDRYB
                    : SKEW SRW MOTOR VOLTS in volts
COEFF
         ASWHDRYB
                     0.0,0.1
```

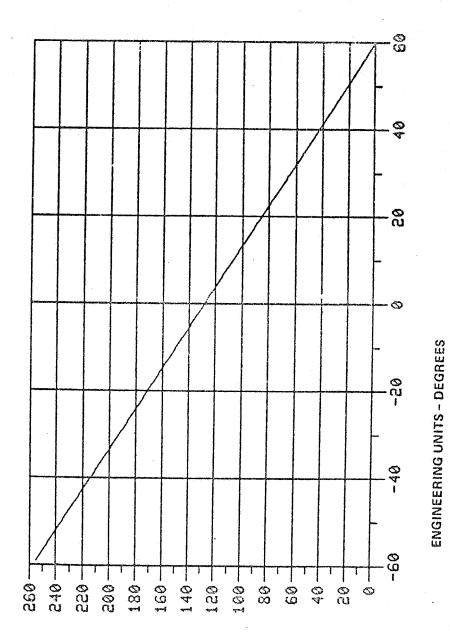
```
POINT
         ASWHLTMP
                     ; SKEW SRW TEMP in deg. centigrade
COEFF
          ASWILTIP
                       42.97,1.056,-.04026,.4455E-3,-.2115E-5..3616E-8
POINT
                     ; TAM I ROLL ERROR SIGNAL in Gauss
         XTMATA
COEFF
         XTMATA
                      -1024.8
POINT
         Y [MATA
                      TAM I PITCH ERROR SIGNAL in Gauss
CCEFF
         YIMATA
                      -1024.8
POINT
         ATAMIZ
                     ; TAM 1 YAW ERROR SIGNAL in Gauss
COEFF
          ATAMIZ
                       -1024,8
POINT
          ATAM2X
                     ; TAM 2 ROLL ERROR SIGNAL in Gauss
COEFF
          ATAM2X
                      -1024.8
POINT
          ATAM2Y
                     : TAM 2 PITCH ERROR SIGNAL in Gauss
COEFF
          ATAM2Y
                      -1024.8 -
POINT
          ATAM2Z
                     ; TAM 2 YAW ERROR SIGNAL in Gauss
COEFF
          ATAM2Z
                       -1024.8
POINT
          ATODRELT
                      TORO DRIVE ELECTRONICS TEMP in deg. centigrade
                       42.97,1.056,-.04026,.4455E-3,-.2115E-5,.3616E-8
COEFF
          ATQDRELT
POINT
                       SRW DRIVE ELECTRONICS TEMP in deg. centigrade
          AWHDRELT
COEFF
         AWHDRELT
                      42.97,1.056,-.04026,.4455E-3,-.2115E-5,.3616E-8
POINT
          AXMAGDRA
                      ROLL MAG TORQ DRIVE A in m Amps
COEFF
         AXMAGDRA
                       -59.5348,.4651
POINT
          AXMAGDRB
                      ROLL MAG TORO DRIVE B in m Amps
COEFF
         AXMAGDRB
                       -59.5348,.4651
POINT
         AXRATE1
                      IRU ROLL RATE 1 in Deg/Sec
COEFF
         AXRATE1
                       -1.01789,.007952
POINT
         AXRATE2
                      IRU ROLL RATE 2 in Deg/Sec
COEFF
         AXRATE2
                      -1.01789,.007952
POINT
         AXTACHA
                    ; RCLL SRW TACH A in RPM
COEFF
         AXTACHA
                      -2766,21.61
POINT
         AXTACHB
                      ROLL SRW TACH B in RPM
COEFF
         AXTACHB
                      -2766,21.61
POINT
         AVACHWXA
                      ROLL SRW DRIVE CONTROL in volts
COEFF
         AXWHORVA
                      0.0,0.0,1.6E-4
POINT
         AXWHDRYB
                      ROLL SRW MOTOR VOLTS in volts
COEFF
         AXWHDRVB
                      0.0, 0.1
                      ROLL SRW TEMP in deg. centigrade 42.97,1.056,-.04026,.4455E-3,-.2115E-5,.3616E-8
POINT
         AXWHLTMP
COEFF
         AXWHLTMP
POINT
         AYMAGDRA
                      PITCH MAG TORQ DRIVE A in m /mps
                      -59.5348,.4651
PITCH MAG TORQ DRIVE B in in Amps
COEFF
         AYMAGDRA
POINT
         AYMAGDRB
COEFF
         AYMAGDRB
                      -59.5348,.4651
POINT
                      IRU PITCH RATE 1 in Deg/Sec
         AYRATE1
COEFF
                      -1.01789,.007952
         AYRATE
POINT
                      IRU PITCH RATE 2 in Deg/Sec
         AYRATE2
COEFF
         AYRATE2
                      -1.01789,.007952
POINT
         AYTACHA
                      PITCH SRW TACH A in RPM
                      -2766,21.61
COEFF
         AYTACHA
POINT
                      PITCH SRW TACH B in RPM -2766,21.61
         AYTACHB
COEFF
         AYTACHB
POINT
         AYWHDRYA
                      PIT H SRW DRIVE CONTROL in volts
COEFF
                      O.C., O.1.6E-4
PIT'd SRW MOTOR VOLTS in volts
         AYWHDRYA
POINT
         AYWHDRYB
COEFF
         AYWHDRYB
                      0.0,0.1
POINT
         AYWHLTMP
                    ; PITCH SRW TEMP in deg. centigrade
COEFF
                      42.97,1.056,-.04026,.4455E-3,-.2115E-5,.3616E-8
         AYWHLTMP
POINT
                    ; YAW MAG TORQ DRIVE A in m Amps
         AZMAGDRA
                    . 144.0,1.134
COEFF
         AZMAGDRA
```

### CHICKNAL PAGE IS OF POOR QUALITY

SVS-10266/3A Appendix A June 1982

POINT **AZMAGDRB** ; YAW MAG TORQ DRIVE B in m Amps COEFF **AZMAGDRB** -144.0,1.134 POINT **AZRATE**1 ; IRU YAW RATE 1 in Deg/Sec -1.01789,.007952 COEFF AZRATE1 ; IRU YAW RATE 2 in Deg/Sec ,-1.01789,.007952 POINT AZRATE2 COEFF AZRATE2 ; YAN SRW TACH A IN RPM POINT **AZTACHA** COEFF AZT! CHA -2765,21.51 ; YAW SRW TACH B in RPM AZTACHB POINT COEFF -2766,21.61 **AZTACHB** ; YAW SRW DRIVE CONTROL in volts POINT **AZWHDRVA** AZWHDRVA 0.0,0.0,1.6E-4 COEFF ; YAW SRW MOTOR VOLTS in volts POINT **AZWHDRV8** COEFF **AZWHDRVB** 0.0,0.1 YAW SRW TEMP in deg. centigrade , 42.97,1.056,-.04026,.4455E-3,-.2115E-5,.3616E-8 POINT AZWHLTMP COEFF AZWHLTMP

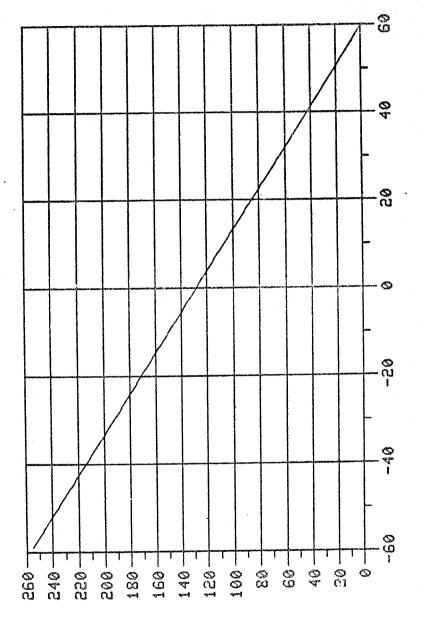
ORIGINAL PAGE IS DE POOR QUALITY



FULUE WERE ODDER

COUNTS US ENGINEERING UNITS FOR AAIRUXPN

COUNTS US ENGINEERING UNITS FOR AAIRUYPN

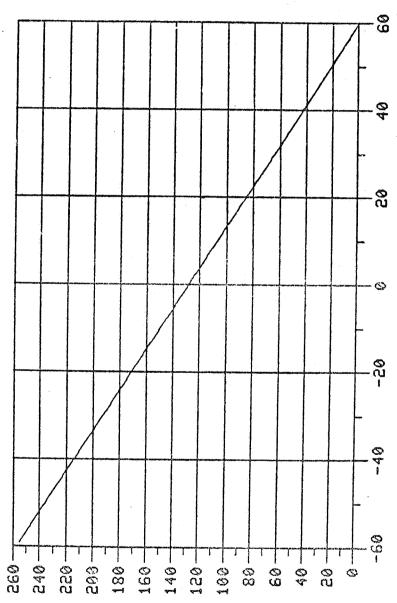


ORIGINAL PAGE 13
DE POOR QUALITY

**ENGINEERING UNITS - DEGREES** 

FUJUEUFRY CODZES

ORIGINAL PAGE IN OF POOR QUELT

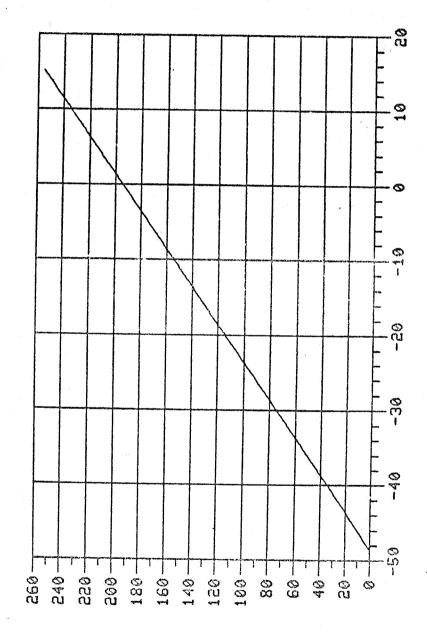


ENGINEERING UNITS - DEGREES

**下記し足所足下尺と くりひれてら** 

COUNTS US ENGINEERING UNITS FOR AAIRUZPN

ORIGINAL PASS IS OF POOR QUALITY

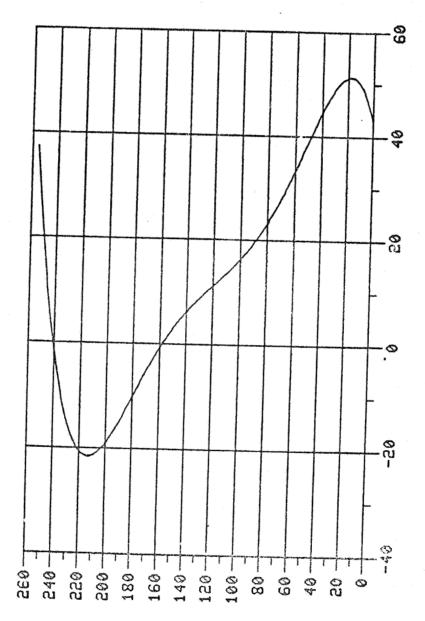


ENGINEERING UNITS - VOLTS

**下足し足所足下尺と ひのひれ下ら** 

COUNTS US ENGINEERING UNITS FOR AAN18ULT

ORIGINAL FACE IS OF POOR QUALITY

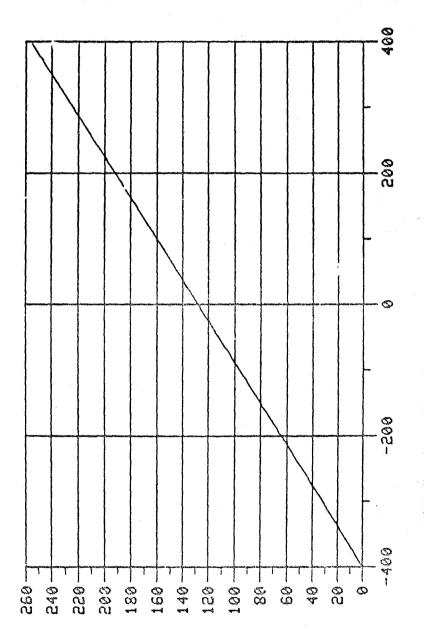


ENGINEERING UNITS - OCENT

トモしほかとしく くりしれてら

COUNTS US ENGINEERING UNITS FOR AAPURCDT

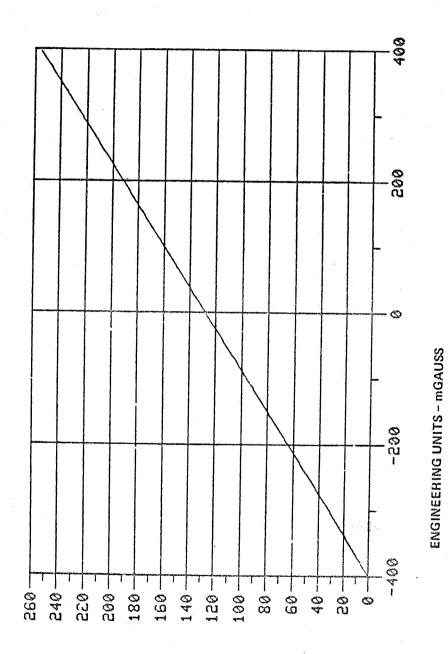
COUNTS US ENGINEERING UNITS FOR AAXTANCP



ENGINEERING UNITS - mGAUSS

FULUEUFER CODZEG

ORIGINAL PAGE 15. OF POOR QUALITY

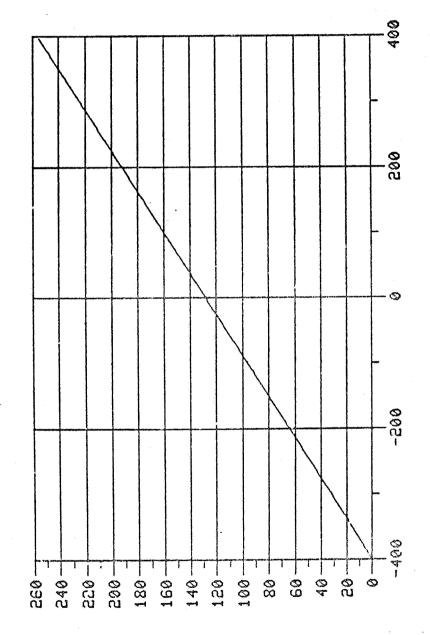


トミしらのとして くりしれてら

A.3-12

COUNTS US ENGINEERING UNITS FOR AAYTAMCP

ORIGINAL PAGE 10 OF POOR QUALITY

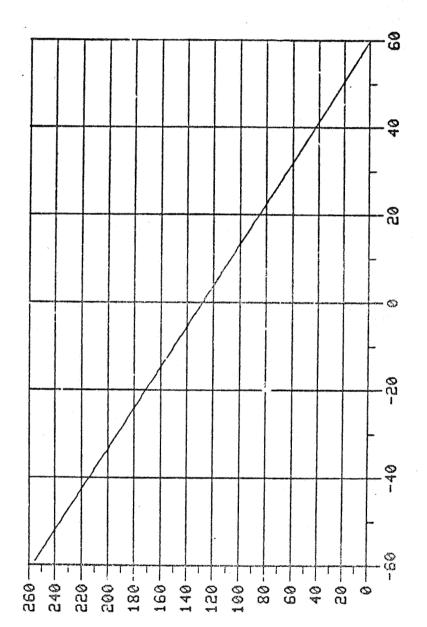


**ENGINEERING UNITS - mGAUSS** 

トモリモドラーなり ひりひとてら

COUNTS US ENGINEERING UNITS FOR AAZTAMCP

ORIGINAL PAGE IS OF POOR QUALITY

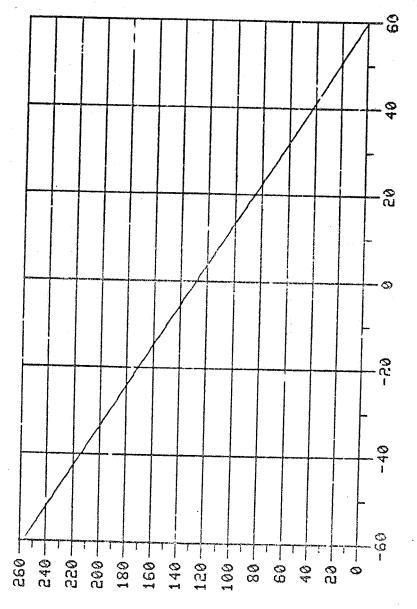


ENGINEERING UNITS - DEGREES

トモしEMETRY くりしゃてら

COUNTS US ENGINEERING UNITS FOR ABIRUXPN

ORIENAE PARE IS OF POOR QUALITY

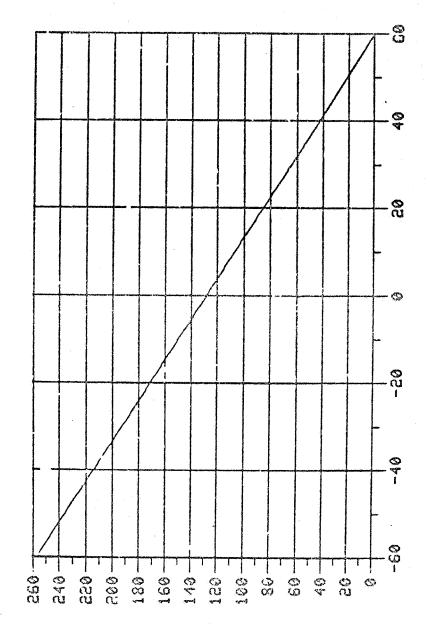


ENGINEERING UNITS - DEGREES

**「日」日内日下京 いりしれてら** 

COUNTS US ENGINEERING UNITS FOR ABIRUYPN

ORIGINAL PAGE IS OF POOR QUALITY

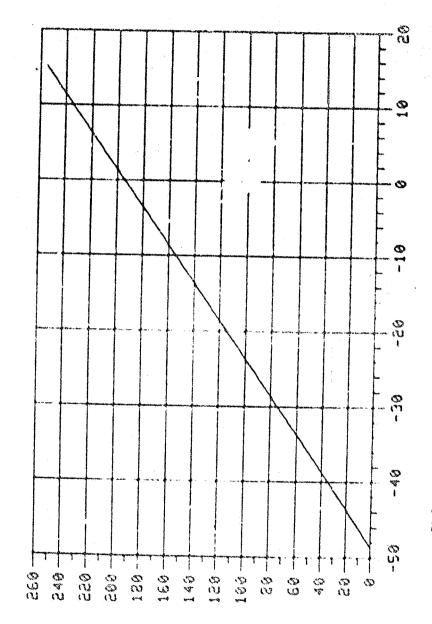


ENGINEERING UNITS - DECREES

**下圧し足が足下なり いりひとてら** 

COUNTS US ENGINEERING UNITS FOR ABIRUZPN

ORIGINAL PAGE IS OF POOR QUALITY

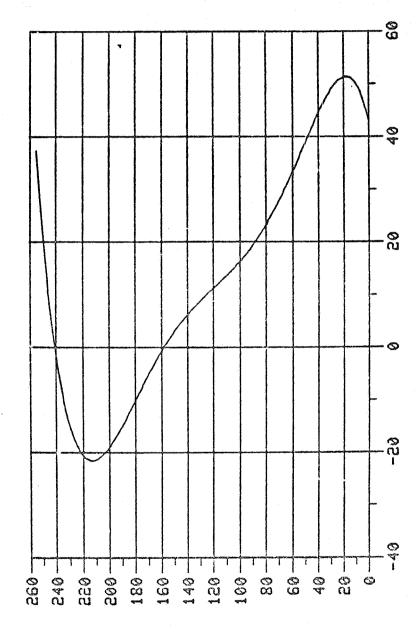


ENGINEERING UNITS - VOLTS

トミーとはこう ションコニーラー

COUNTS US ENGINEERING UNITS FOR ABMISULT

13. 1 .

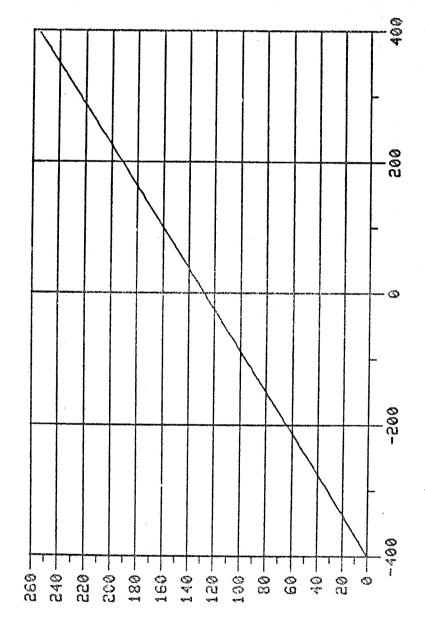


ENGINEERING UNITS - OCENT

トミしられるしなり いっしんてら

COUNTS US ENGINEERING UNITS FOR ABPURCDT

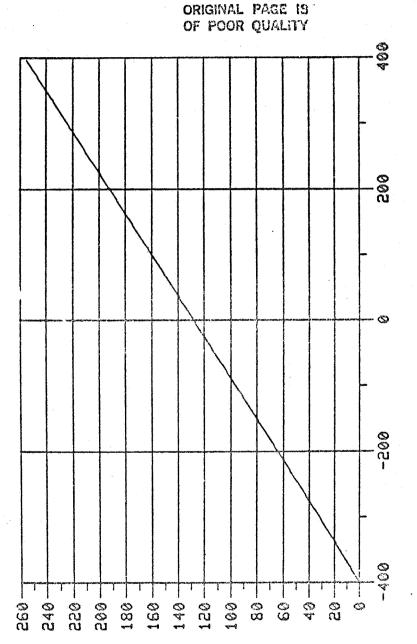
ORIGINAL PAGE IS OF POOR QUALITY



**ENGINEERING UNITS - mGAUSS** 

**「これ」とのしれてら** 

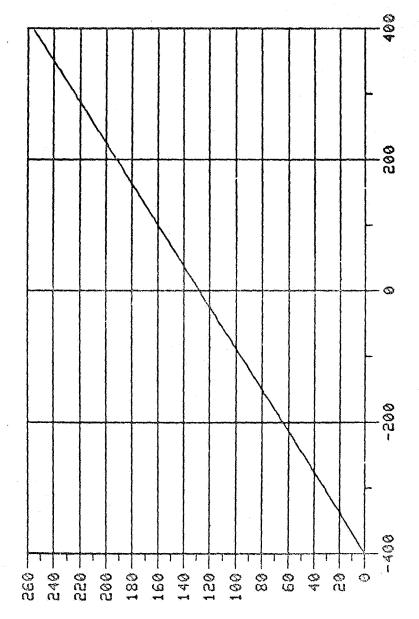
COUNTS US ENGINEERING UNITS FOR ABXTAMCP



ENGINZERING UNITS - mGAUSS

TELEMETRY COUNTS

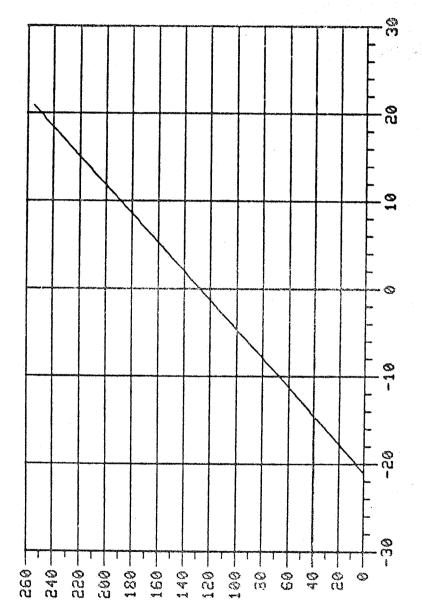
COUNTS US ENGINEERING UNITS FOR ABZTAMCP



ENGINEERING UNITS - mGAUSS

ト毛しられるてなり くりひれてら

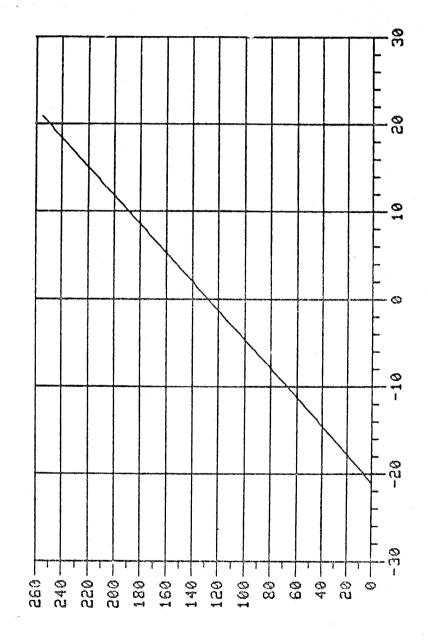
COUNTS US ENGINEERING UNITS FOR ACSSIY



ENGINEERING UNITS - DEGREES

トミしらにとしてい くりしだてら

ORIGINAL PAGE IS OF POOR QUALITY

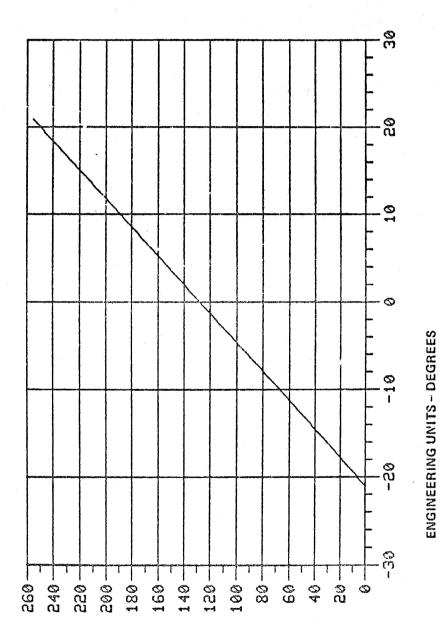


ENGINEERING UNITS - DEGREES

FMJMEMFX> CODIFO

COUNTS US ENGINEERING UNITS FOR ACSSIZ

ORIGINAL PAGE IS OF POOR QUALITY

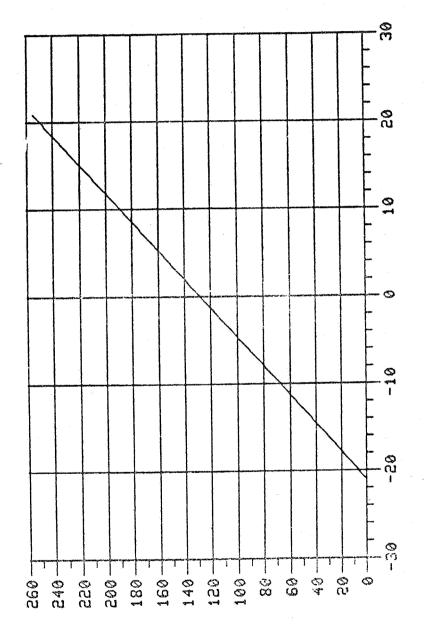


**トモーミドロース〉 COUNTY** 

COUNTS US ENGINEERING UNITS FOR ACSSZY

A 3-24

ORIGINAL PAGE 13 OF FOOR QUALITY

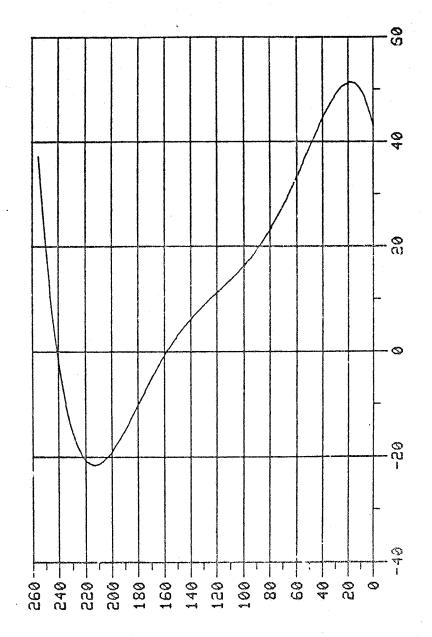


**ENGINEERING UNITS - DEGREES** 

トモリロMETRY くりしれてら

COUNTS US ENGINEERING UNITS FOR ACSSZZ

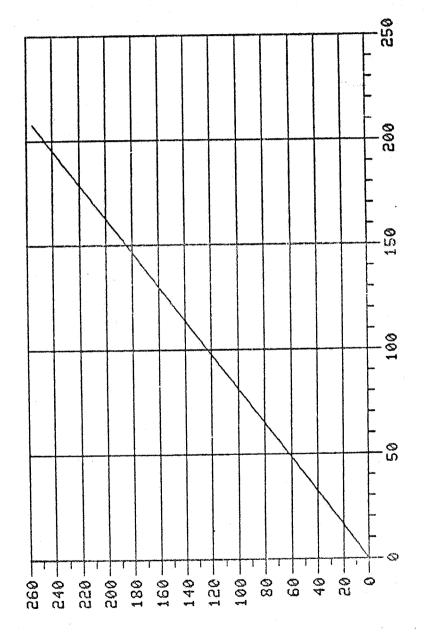
ORIGINAL PACE IS OF POOR QUALITY



ENGINEERING UNITS - OCENT

HUNDEMPRY COURTO

COUNTS US ENGINEERING UNITS FOR AFSSTMP

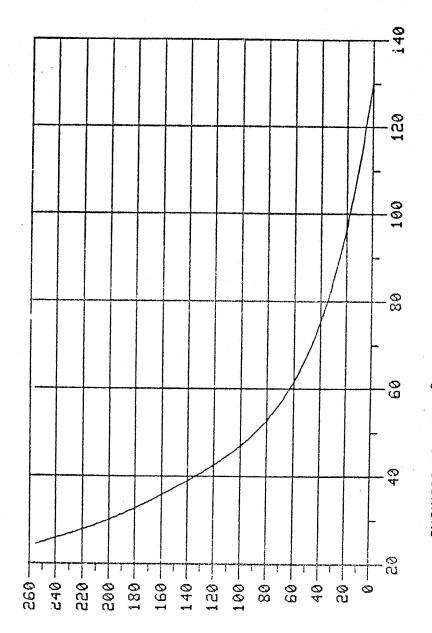


ENGINEERING UNITS - AMPS

FULUEMERY COUKEN

COUNTS US ENGINEERING UNITS FOR AIRUAMTI

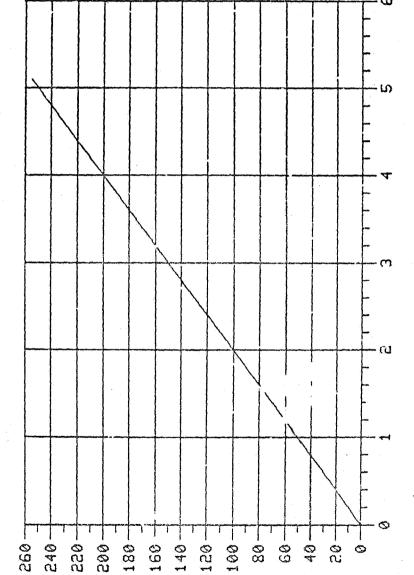
OF POOR QUALITY



ENGINEERING UNITS - OCENT

トEとしたり いりひれてら

COUNTS US ENGINEERING UNITS FOR AIRUATMP

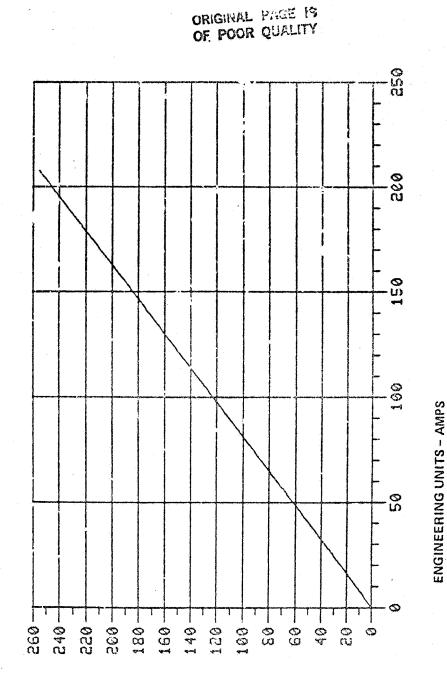


ENGINEERING UNITS - VOLTS

トほしほかになり じゅしだすら

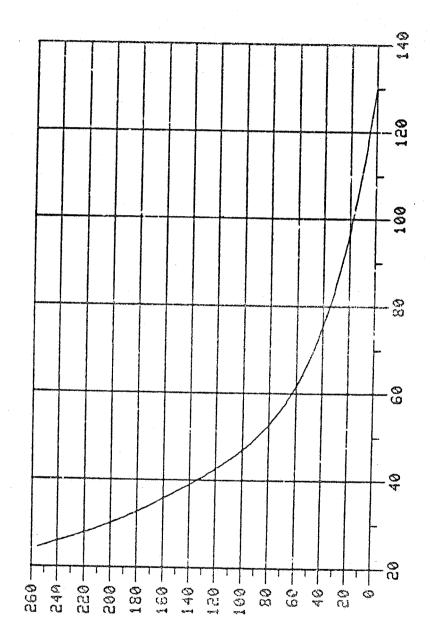
COUNTS US ENGINEERING UNITS FOR AIRUAULT

COUNTS US ENGINEERING UNITS FOR AIRUBMTI



FUJUEWERY CODZES

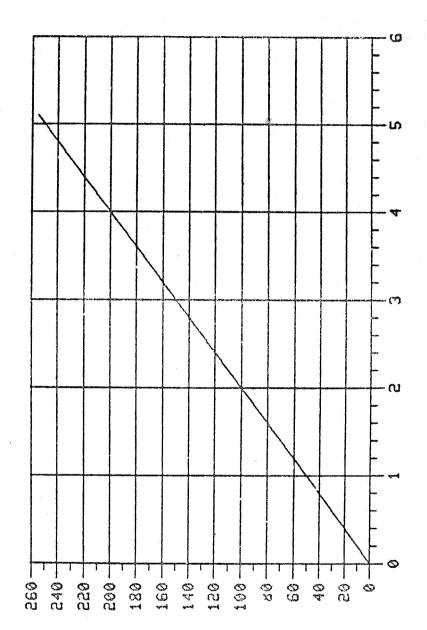
COUNTS US ENGINEERING UNITS FOR AIRUBTMP



ENGINEERING UNITS - OCENT

**「これ」とのしれている。** 

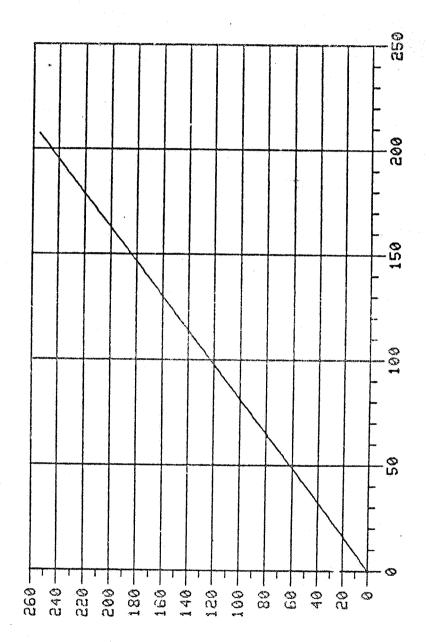




ENGINEERING UNITS - VOLTS

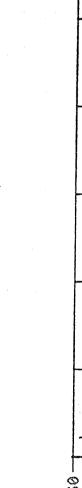
FUJUEWFRY CODZEG

COUNTS US ENGINEERING UNITS FOR AIRUCMTI

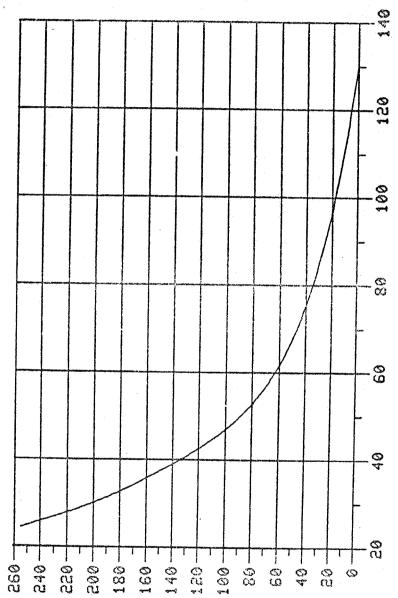


ENGINEERING UNITS - AMPS

**下丘し足所至下RV ひつりだけら** 

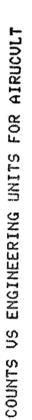


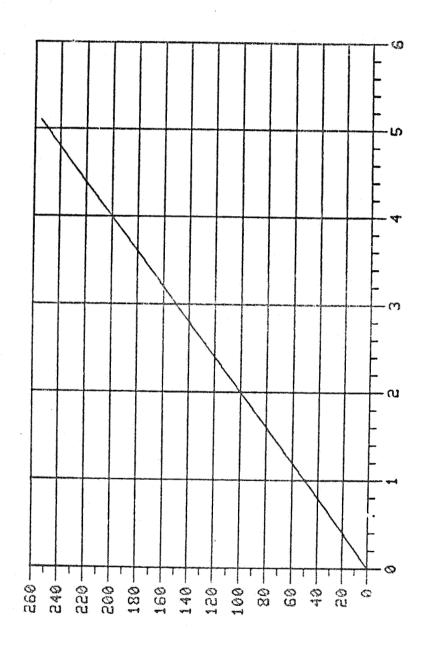
COUNTS US ENGINEERING UNITS FOR AIRUCTMP



トミしらのとり くりしんてら

ENGINEERING UNITS - OCENT



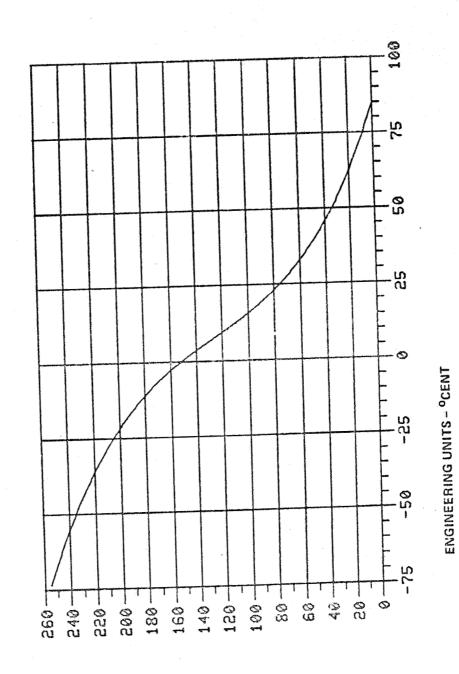


ENGINEERING UNITS - VOLTS

**TELEMETRY 〇〇UNTS** 

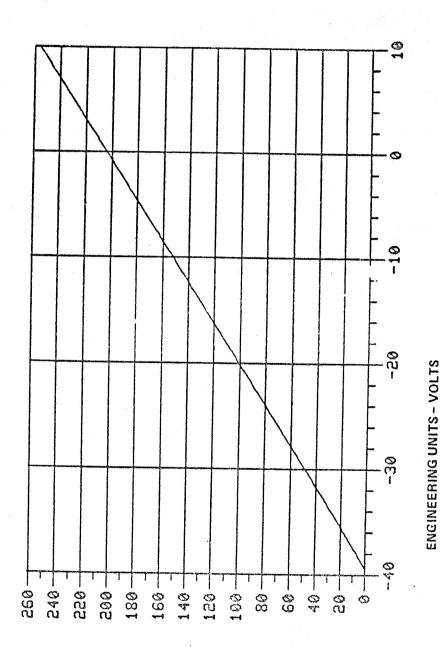
A 77 7.5

COUNTS US ENGINEERING UNITS FOR AIRUOBTP



トモしほかましなり くりひとてら

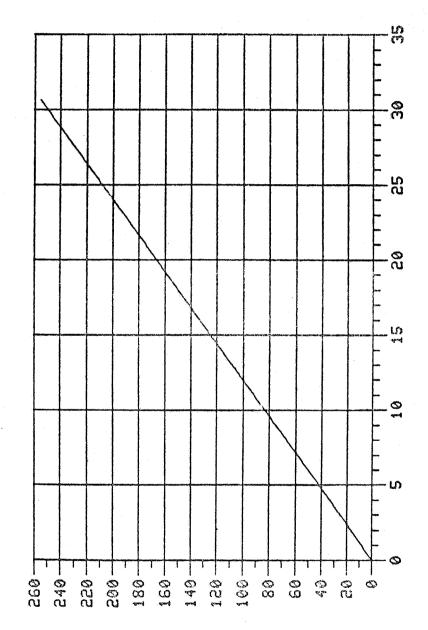
ORIGINAL PAGE IS OF POOR QUALITY



FULUEUFRY CODZEO

COUNTS US ENGINEERING UNITS FOR ANISUOLT

ORIGINAL PAGE IS OF POOR QUALITY

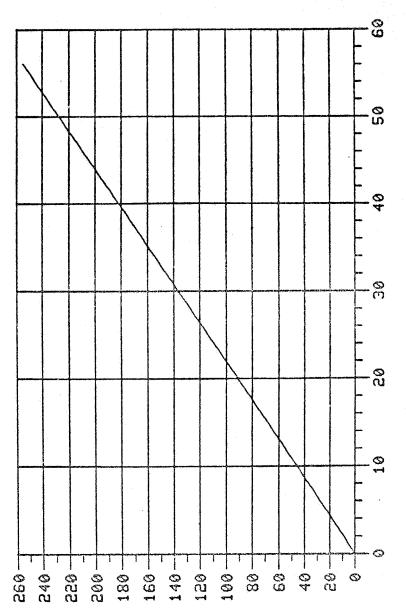


**ENGINEERING UNITS - VOLTS** 

TELEMETRY ひりひれてら

COUNTS US ENGINEERING UNITS FOR AP15UOLT

ORIGINAL PAGE IS OF POOR QUALITY

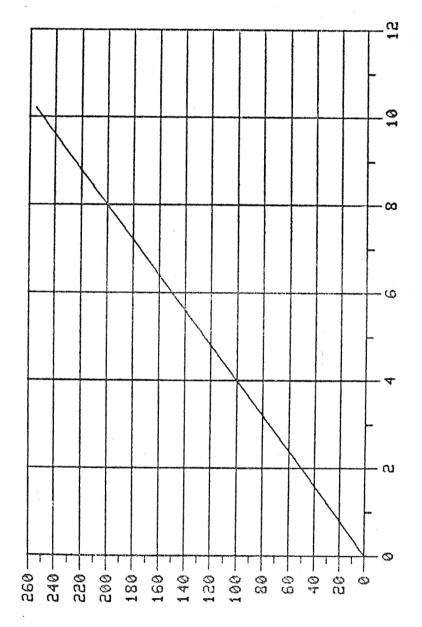


ENGINEERING UNITS - VOLTS

トミしら附を下なり ひりひだてら

COUNTS US ENGINEERING UNITS FOR AP28UOLT

ORIGINAL PAGE IS OF POOR QUALITY

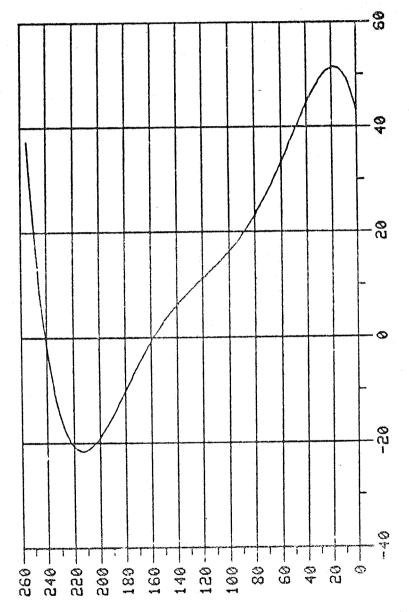


**ENGINEERING UNITS - VOLTS** 

**TELEMLRY 〇〇UNTS** 

COUNTS US ENGINEERING UNITS FOR APSUOLT

OF POUR QUALITY



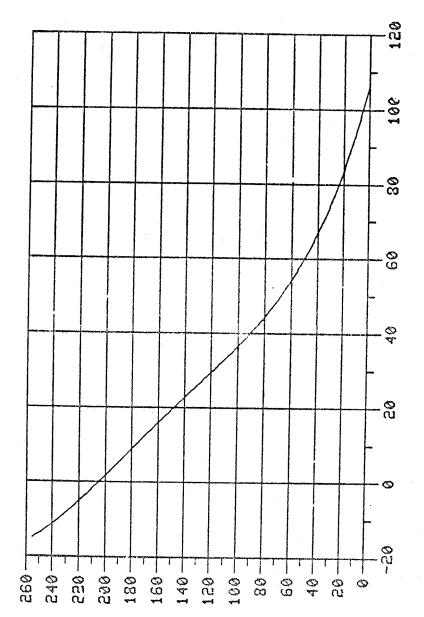
ENGINEERING UNITS - OCENT

トミしられる くりしだけら

COUNTS US ENGINEERING UNITS FOR APSUTMP

A 7-A

ORIGINAL PAGE IS OF POOR QUALITY

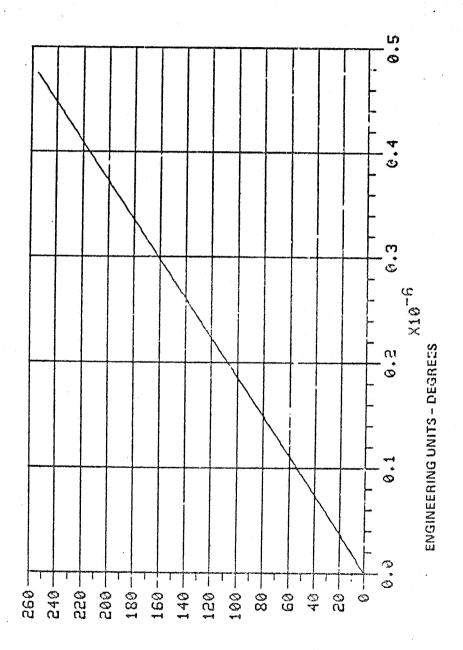


ENGINEERING UNITS - OCENT

**TELEMETRY ひOUNTS** 

COUNTS US ENGINEERING UNITS FOR ARIUZTMP

ORIGINAL PAGE IS OF POOR QUALITY



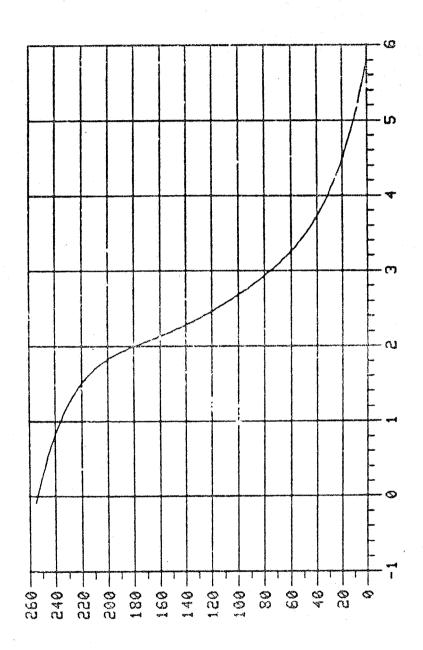
**「こしらいますり」 いりひとすら** 

COUNTS US ENGINEERING UNITS FOR ASTIHORZ

A 7...A"

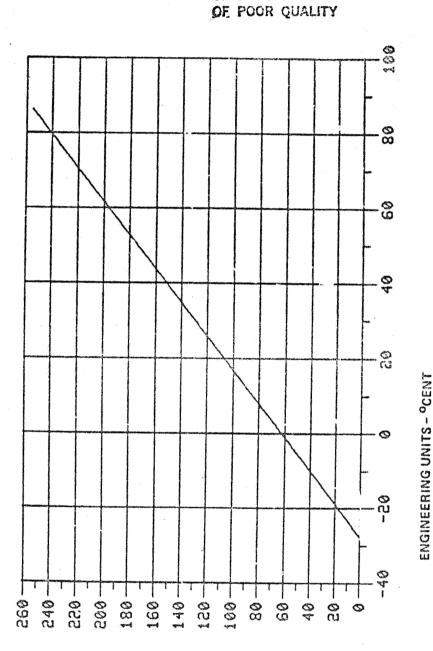
ENGINEERING UNITS - VISUAL MAGNITUDE

COUNTS US ENGINEERING UNITS FOR ASTIMAG



トピーピニローなり ひつつとしの

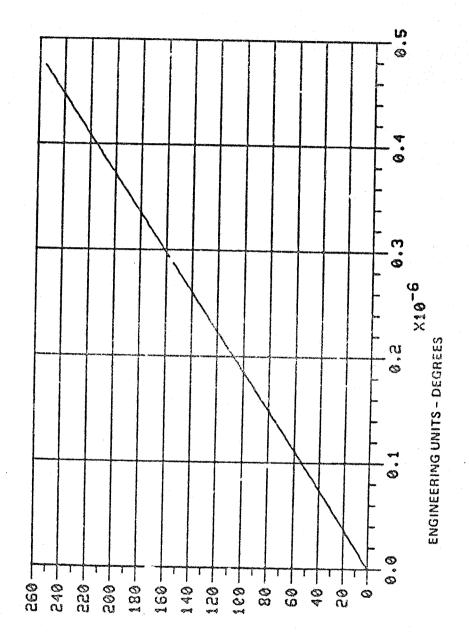
COUNTS US ENGINEERING UNITS FOR ASTITEMP



ORIGINAL PAGE IS

トモーミアニスト くりしれてら

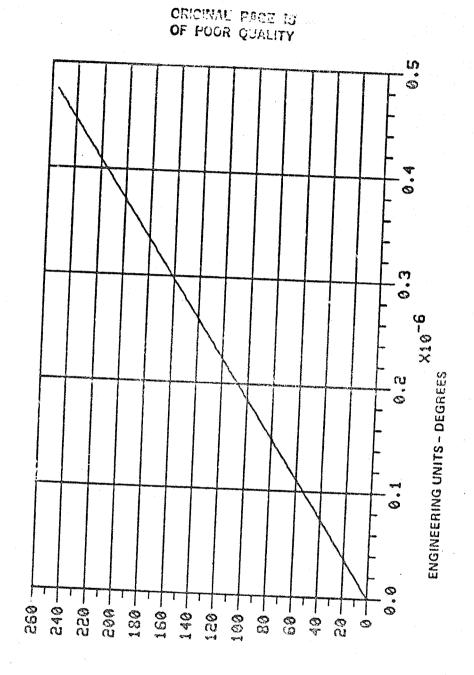
ORIGINAL PAGE I., OF POOR QUALITY



トローロスト いっつストッ

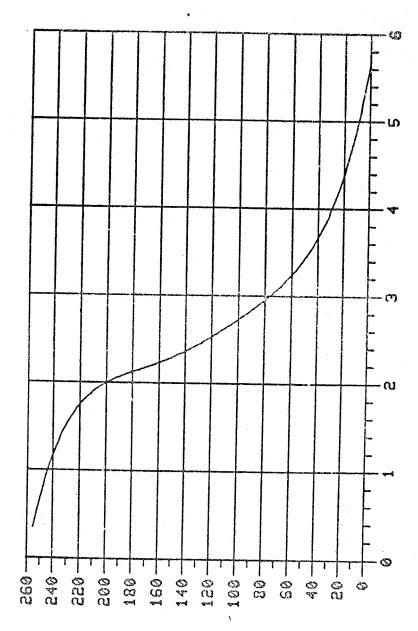
COUNTS US ENGINEERING UNITS FOR ASTIUERT

COUNTS US ENGINEERING UNITS FOR ASTZHORZ



トモーミア いっしょしん

ORIGINAL FACE TO OF POOR QUALITY

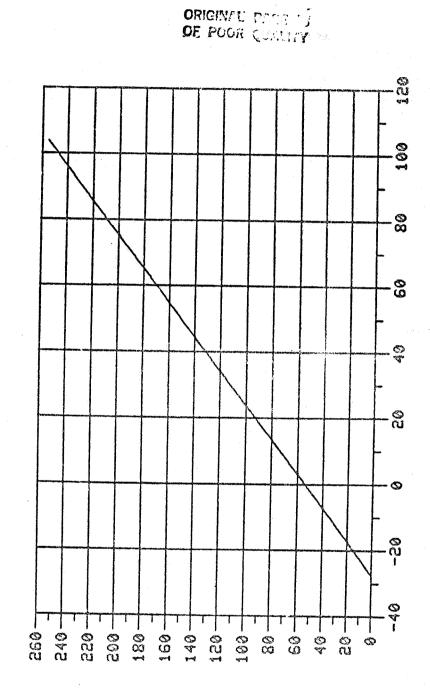


ENGINEERING UNITS - VISUAL MAGNITUDE

トミしほかにしない くりしれてら

COUNTS US ENGINEERING UNITS FOR ASTRAGE

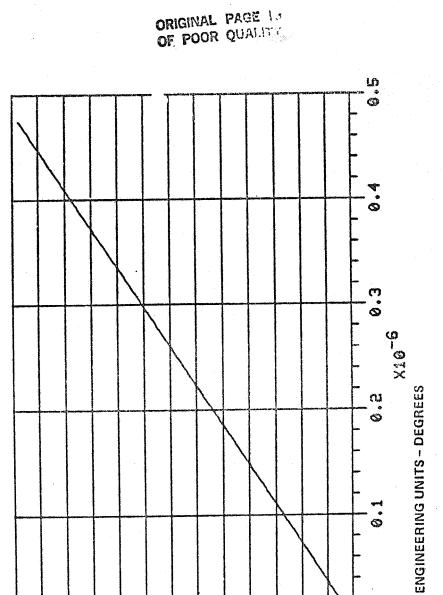
COUNTS US ENGINEERING UNITS FOR ASTZTEMP



ENGINEERING UNITS - OCENT

トミしこのと くりしとてら

COUNTS US ENGINEERING UNITS FOR ASTAUERT



トミしられる いりひれてら

180-

160

0000

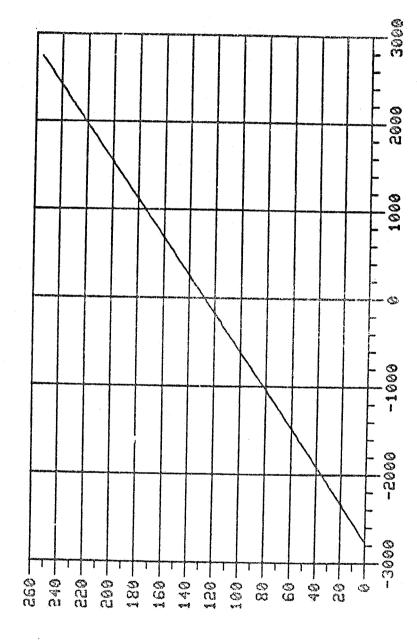
1000

00 00 00 00

140-

- 59

0



ENGINEERING UNITS - RPM

トミーにと いりしれてら

COUNTS US ENGINEERING UNITS FOR ASTACHA

3000

2000

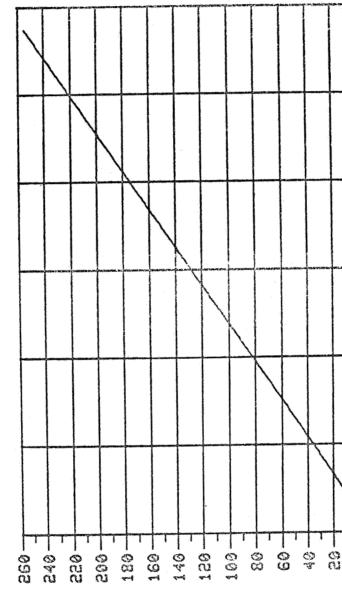
1000

-1000

-2000

-3666

0

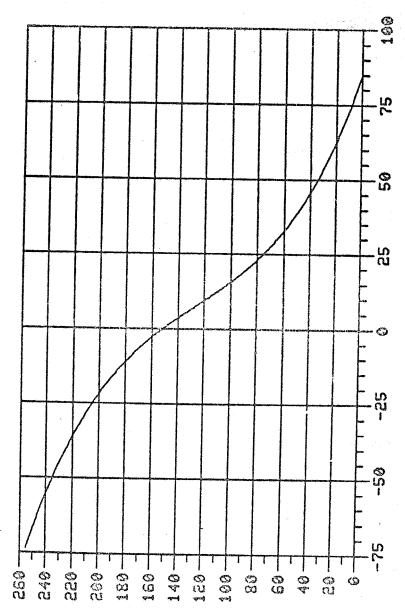


COUNTS US ENGINEERING UNITS FOR ASTACHB

ENGINEERING UNITS - RPM

トモしほれるてなり ひりりだすら

ORIGINAL PARE 18 -OF POOR QUALITY

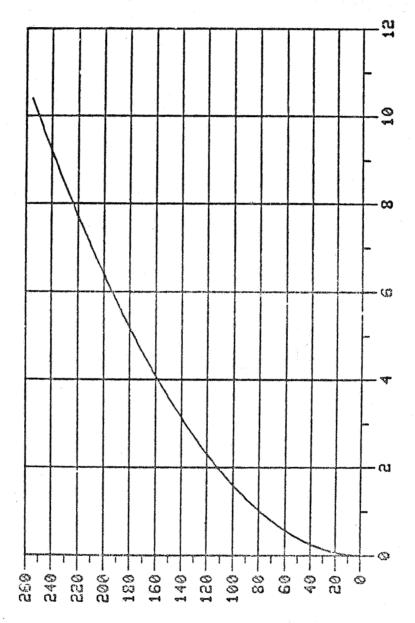


ENGINEERING UNITS - OCENT

トローロミロトペン 0032トの

COUNTS US ENGINEERING UNITS FOR ASTOBTMP

ORIGINAL PAGE IS OF POOR QUALITY-

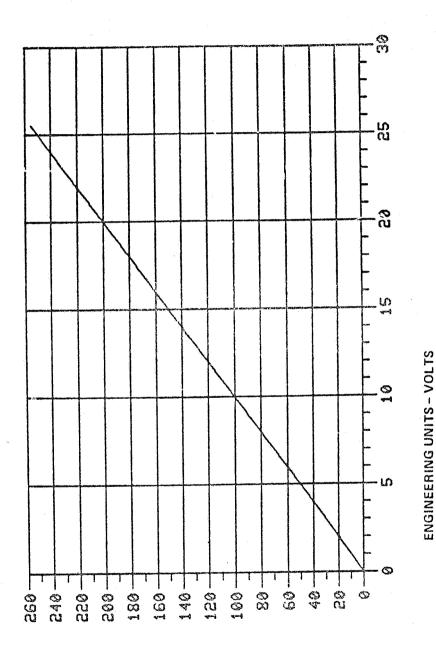


ENGINEERING UNITS - VOLTS

トピーピーピン くりつだトグ

COUNTS US ENGINEERING UNITS FOR ASUMBRUA

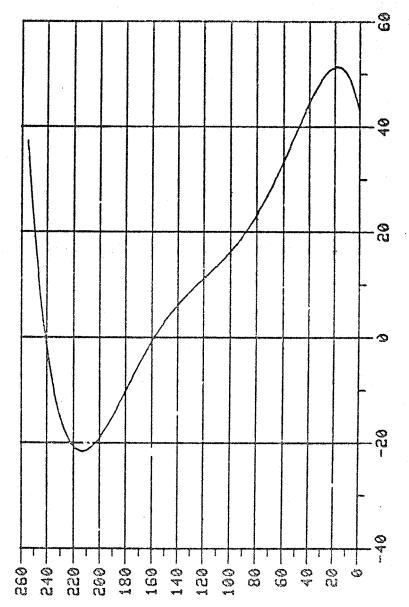
ORIGINAL PAGE IS OF POOR QUALITY



FULUEMERY COUKEN

COUNTS US ENGINEERING UNITS FOR ASUNDRUB

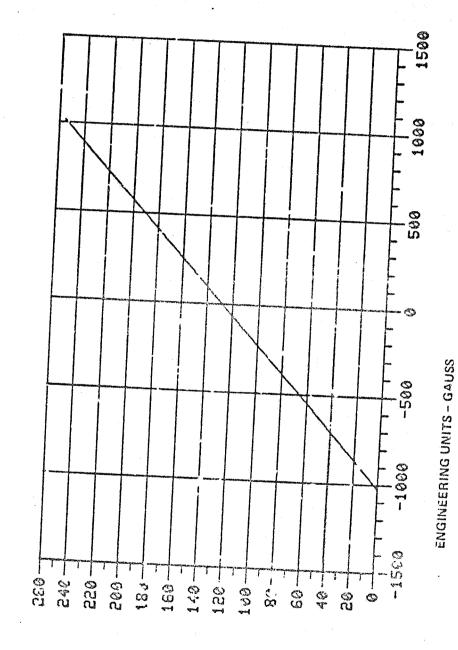
COUNTS US ENGINEERING UNITS FOR ASUHLTMP



ORIGINAL PAGE IS OF POOR QUALITY

ENGINEERING UNITS - OCENT

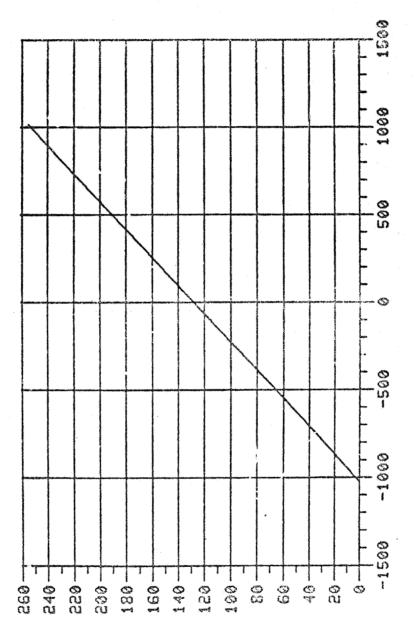
トモし ほいこうりょう くりしれてら



トミしらの くりしはてら

CCUNTS US ENGINEERING UNITS FOR ATAMIX

ORIGINAL PAGE 1... OF POOR QUALITY

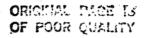


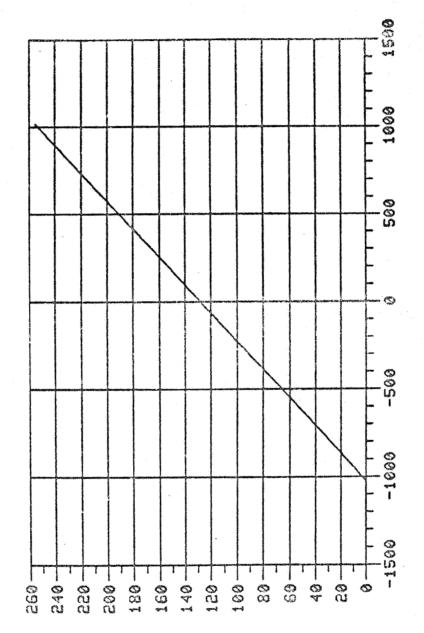
ENGINEERING UNITS - GAUSS

トモしほけにしなり いっつとてら

COUNTS US ENGINEERING UNITS FOR ATAMIY

COUNTS US ENGINEERING UNITS FOR ATAMIZ

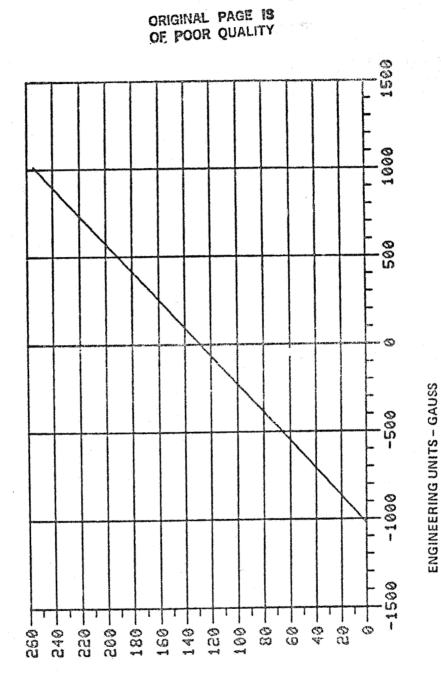




**ENGINEERING UNITS - GAUSS** 

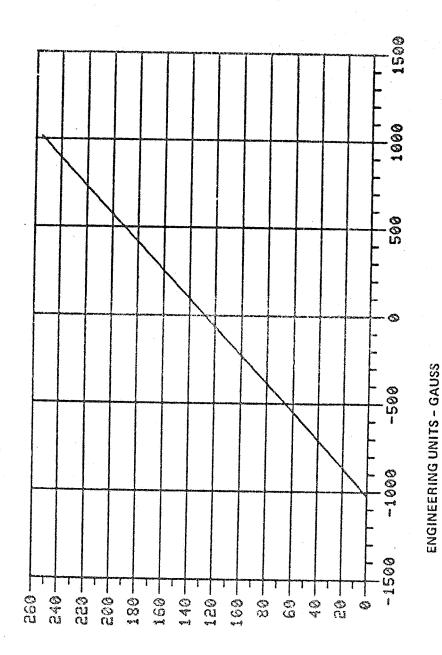
FULUEUFES COUZEN

COUNTS US ENGINEERING UNITS FOR ATAMRX



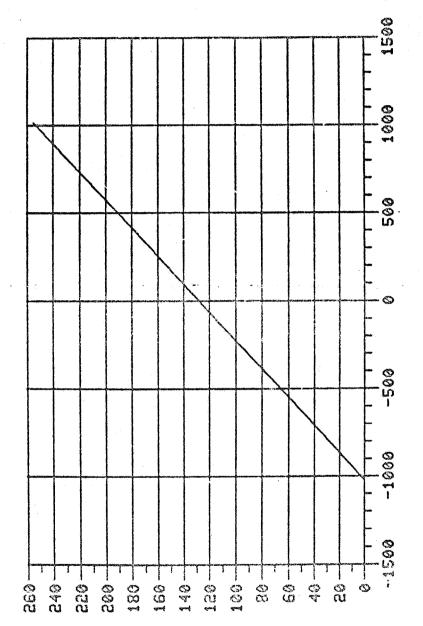
**FEUREWFRY COUXFS** 

ORIGINAL PAGE 48 OF POOR QUALITY



トローにと くりしとてい

DRIGHNAL PAGE TO DE POOR QUALITY

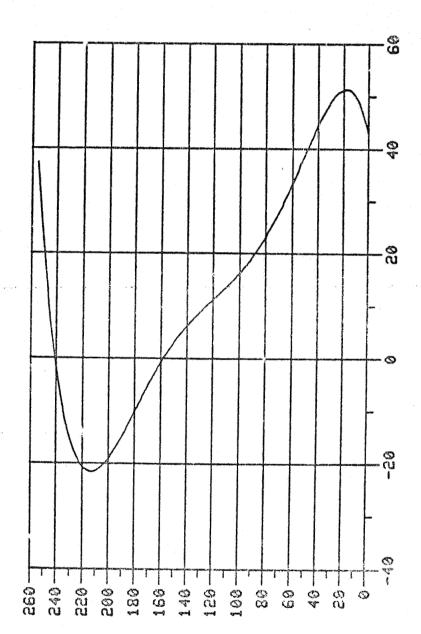


**ENGINEERING UNITS - GAUSS** 

FULUEMERY CODEFU

COUNTS US ENGINEERING UNITS FOR ATAMEZ

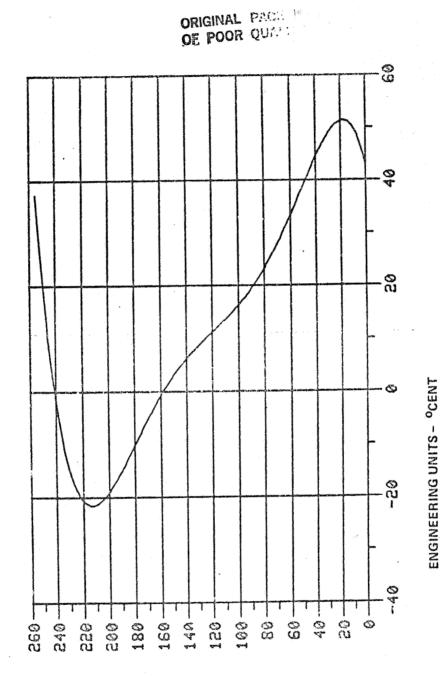
COUNTS US ENGINEERING UNITS FOR ATODRELT



ENGINEERING UNITS - OCENT

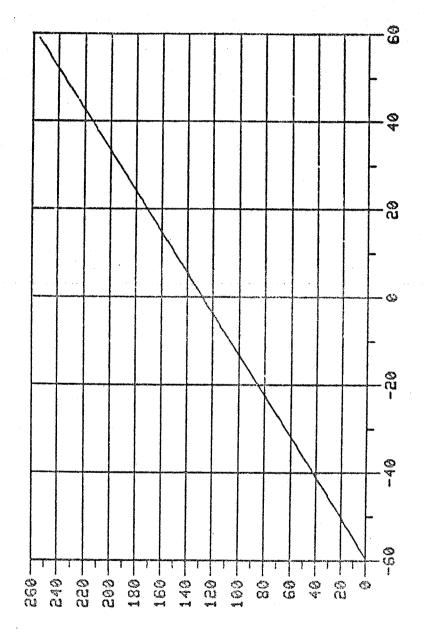
トモルミMETRY くりしれてら

COUNTS US ENGINEERING UNITS FOR ALMBRELT



トELEMLRY 〇〇UNTS

OF POOR QUALITY

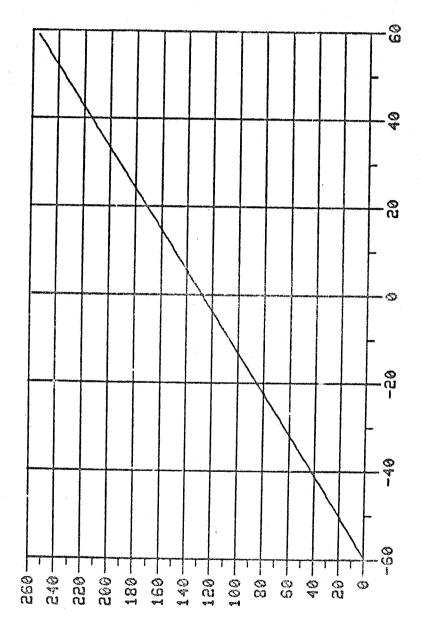


**ENGINEERING UNITS - MAMPS** 

**「これ」とのりとする。** 

COUNTS US ENGINEERING UNITS FOR AXMAGDRA

ORIGINAL PAGE IS OF POOR QUALITY

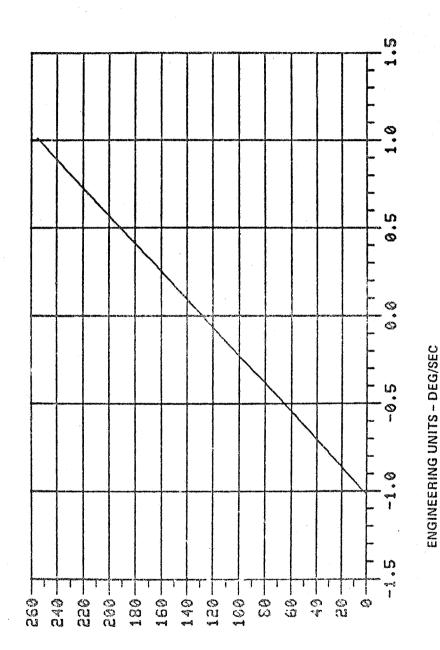


ENGINEERING UNITS - MAMPS

トミレミドラース> くりつだてら

COUNTS US ENGINEERING UNITS FOR AXMAGDRB

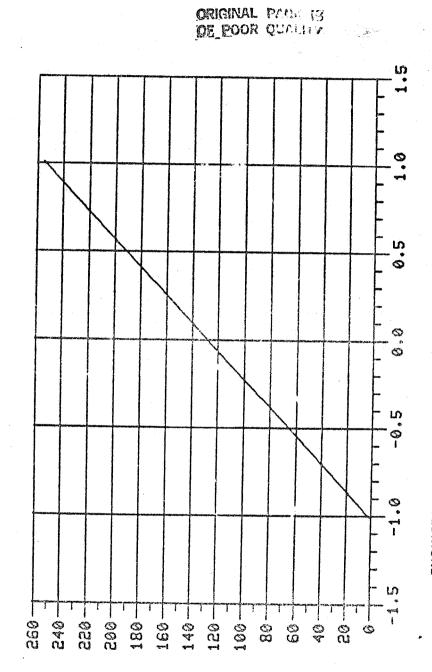
COUNTS US ENGINEERING UNITS FOR AXRATE1



CRICINAL PAGE IS OF POOR QUALITY

トモーロはとしなり ひりはてら

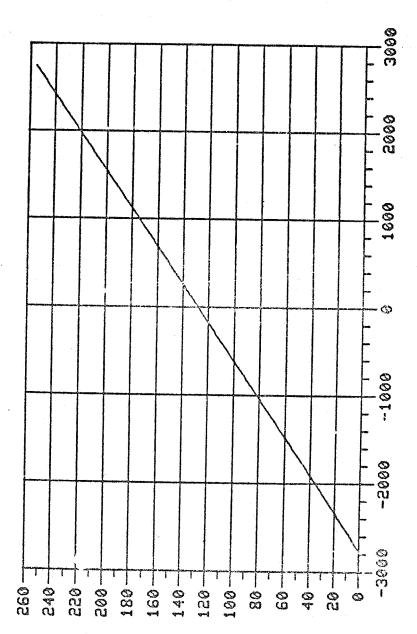
COUNTS US ENGINEERING UNITS FOR AXRATEZ



ENGINEERING UNITS - DEG/SEC

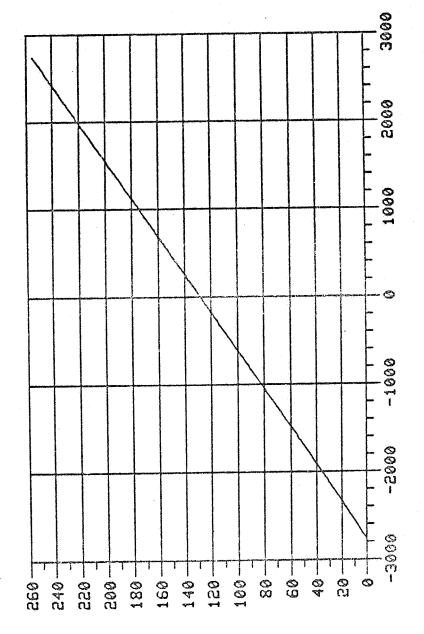
ト目し日門至下及り くりひれてら

COUNTS US ENGINEERING UNITS FOR AXTACHA



ENGINEERING UNITS - RPM

トモリロロローなり くりしれてら

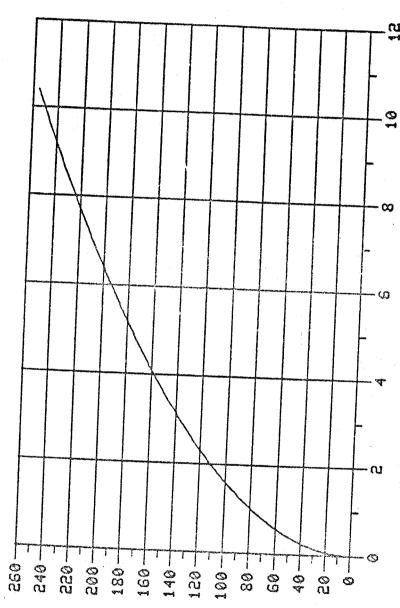


ENGINEERING UNITS - RPM

トロし日に日下の> 0002150

COUNTS US ENGINEERING UNITS FOR AXTACHB

COUNTS US ENGINEERING UNITS FOR AXUHDRUA

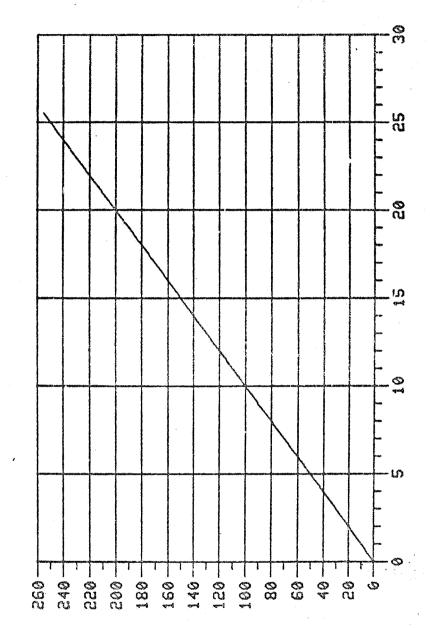


ENGINEERING UNITS - VOLTS

トモーにはしてない くりし以下の

COUNTS US ENGINEERING UNITS FOR AXUNDRUB

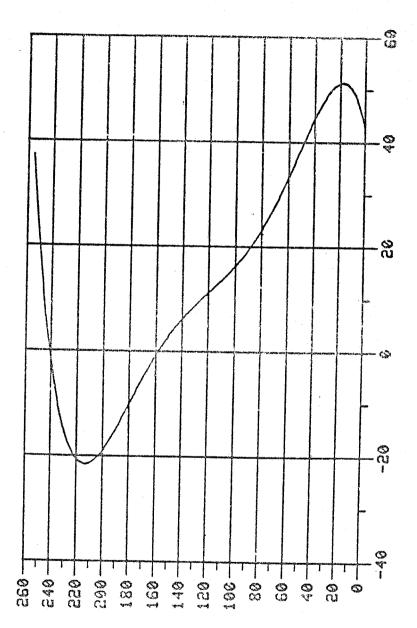
ORIGINAL PAGE IS-OE POOR QUALITY



**ENGINEERING UNITS - VOLTS** 

**トピーミドロトペン CODZING** 

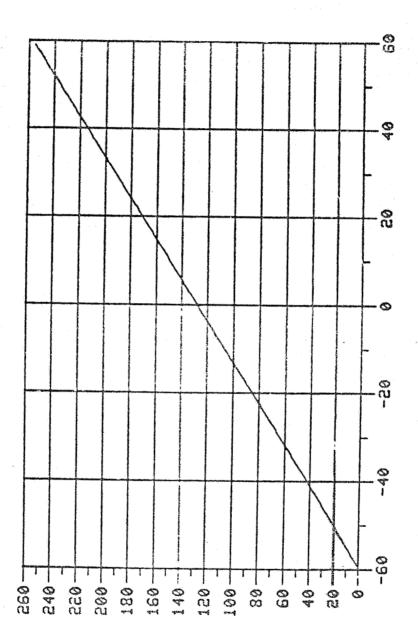
COUNTS US ENGINEERING UNITS FOR AXUHLTMP



ENGINEERING UNITS — OCENT

**「これ」とのしれている。** 

COUNTS US ENGINEERING UNITS FOR AYMAGDRA



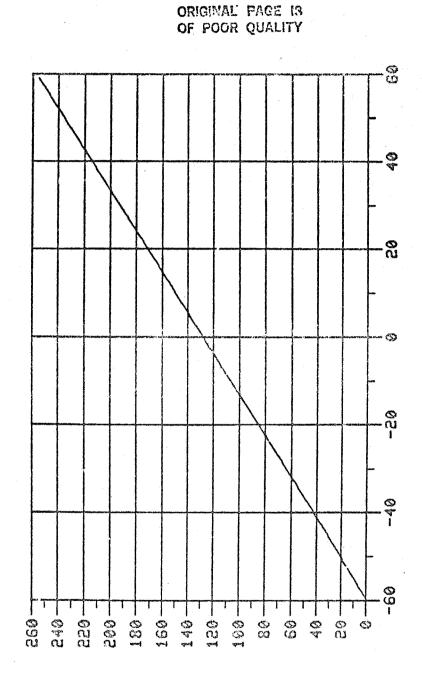
ORIGINAL PAGE IS OF POOR QUALITY

ENGINEERING UNITS - MAMPS

トモしほがらてなり くりしれする

200-180 160 120-100

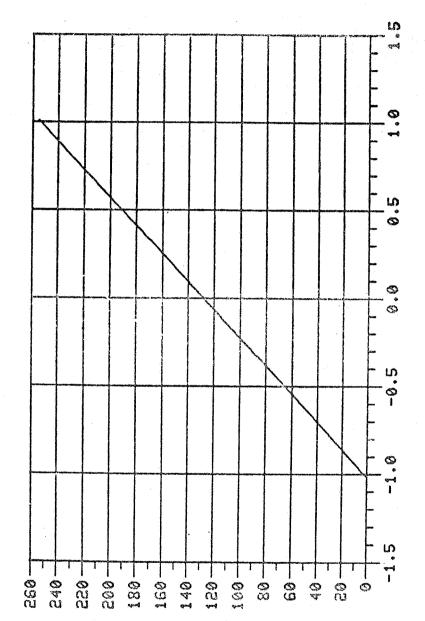
COUNTS US ENGINEERING UNITS FOR AYMAGDRB



ENGINEERING UNITS - MAMPS

HULUEMHORY CODZHO

COUNTS US ENGINEERING UNITS FOR AYRATE1

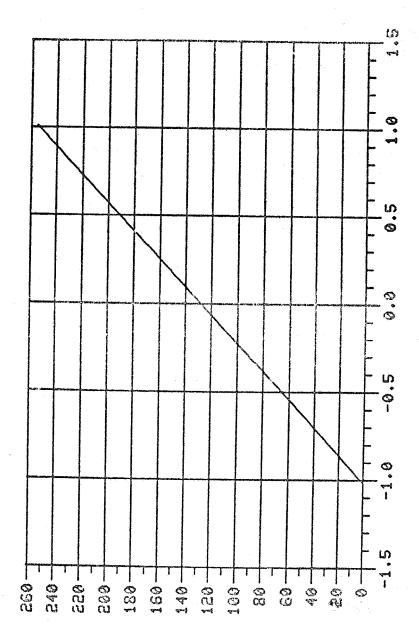


ORIGINAL PAGE 13 OF POOR QUALITY

ENGINEERING UNITS - DEG/SEC

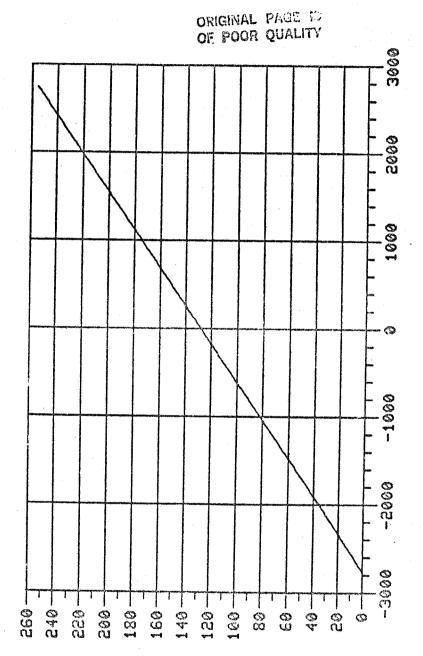
トローロとはしなっ いっつてんい

COUNTS US ENGINEERING UNITS FOR AYRATEZ



**ENGINEERING UNITS - DEG/SEC** 

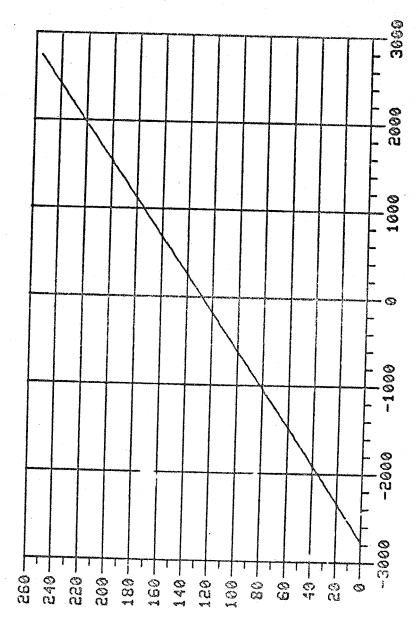
FULUEMFR> CODZEO



ENGINEERING UNITS - RPM

トELEMETRY くりUNTS

ORIGINAL PAGE IJ OF POOR QUALITY

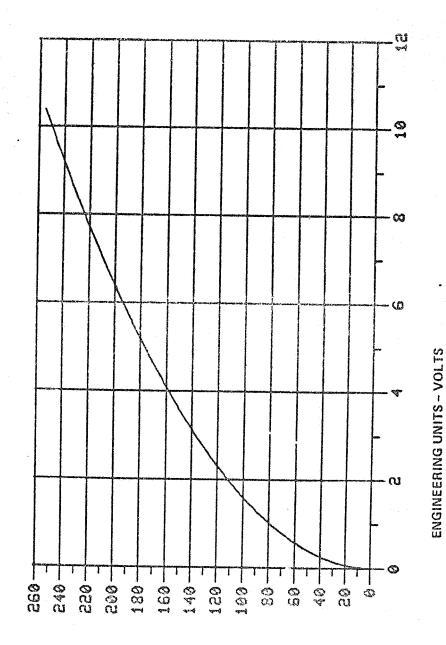


ENGINEERING UNITS - RP

**アミュアリア・ いりしれてら** 

COUNTS US ENGINEERING UNITS FOR AYTACHB

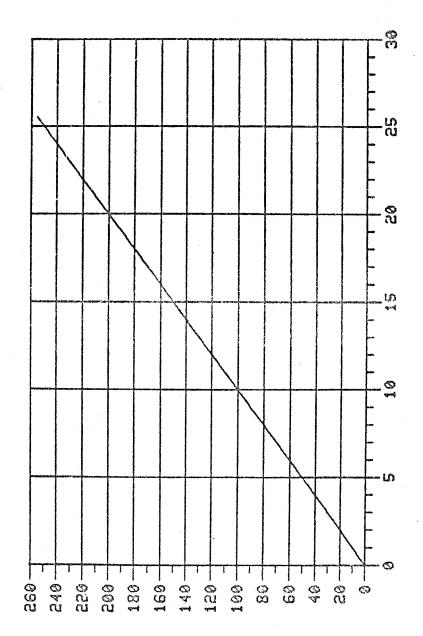
ORIGINAL PAGE IS OF POOR QUALITY



トモルミドラースト くりしれてら

COUNTS US ENGINEERING UNITS FOR AYUNDRUA

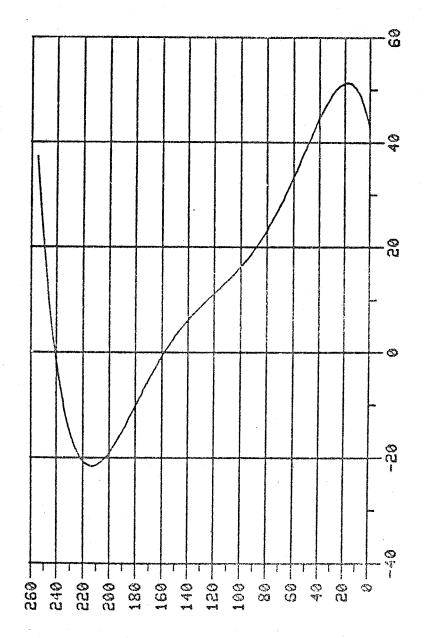
COUNTS US ENGINEERING UNITS FOR AYMHDRUB



ENGINEERING UNITS - VOLTS

トモしほれるての くりしれてら

ORIGINAL PAGE IS OF POOR QUALITY

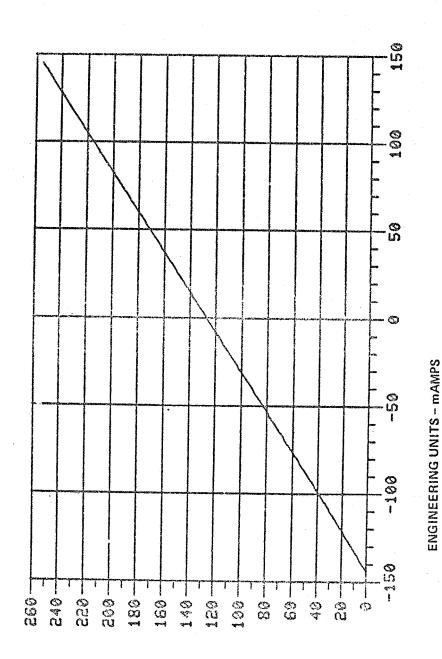


ENGINEERING UNITS – OCENT

トミしほけましなり いりひれてら

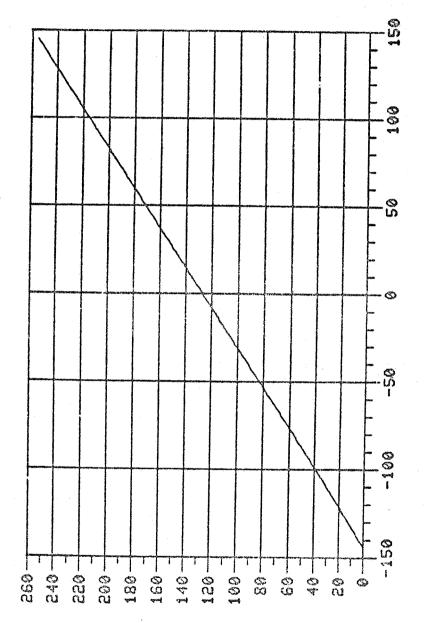
COUNTS US ENGINEERING UNITS FOR AYUHLTMP

COUNTS US ENGINEERING UNITS FOR AZMAGDRA



トモしほアロトな> いりひれてら

ORIGINAL PAGE IS OF POOR QUALITY

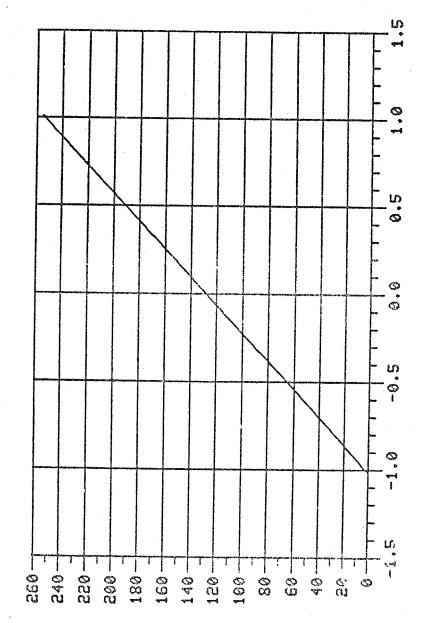


ENGINEERING UNITS - MAMPS

トモルミドライス> くりコメドシ

COUNTS US ENGINEERING UNITS FOR AZMAGDRB

ORIGINAL PAGE IS OF POOR QUALITY

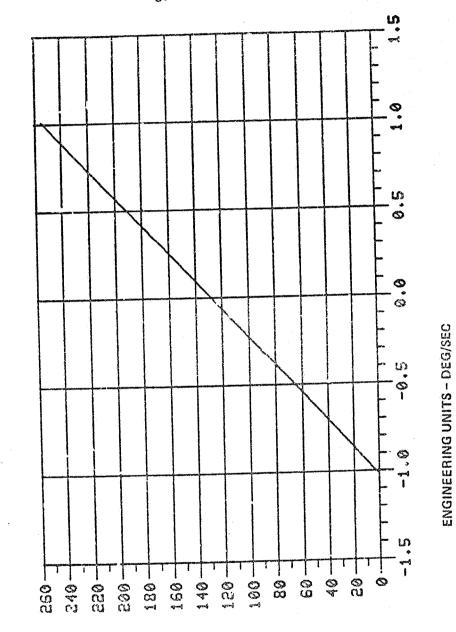


ENGINE RING UNITS - DEG/SEC

トモしミドロース> COURFS

COUNTS US ENGINEERING UNITS FOR AZRATE1

ORICINAL PAGE IS OF POOR QUALITY



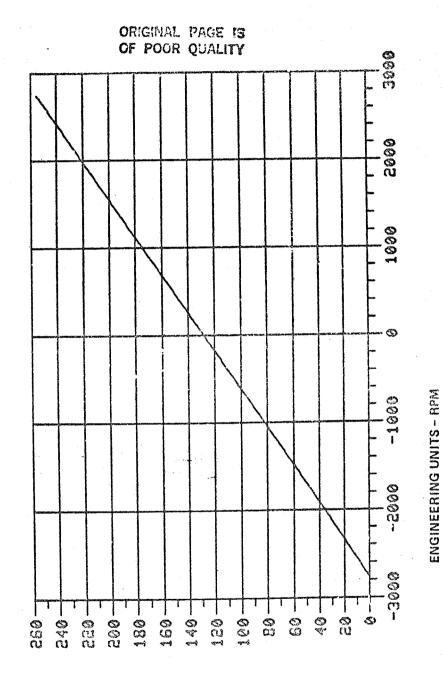
トミしほけんしょ くりしだけら

COUNTS US ENGINEERING UNITS FOR AZRATEZ

(-7

A.3-86

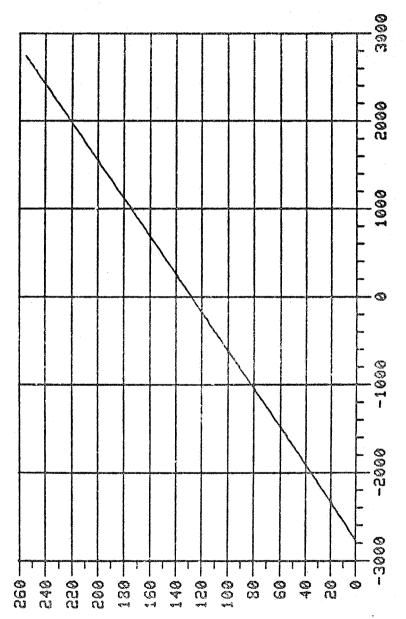
COUNTS US ENGINEERING UNITS FOR AZTACHA



トミュにはアスト くりコストの

ENGINEERING UNITS - RPM

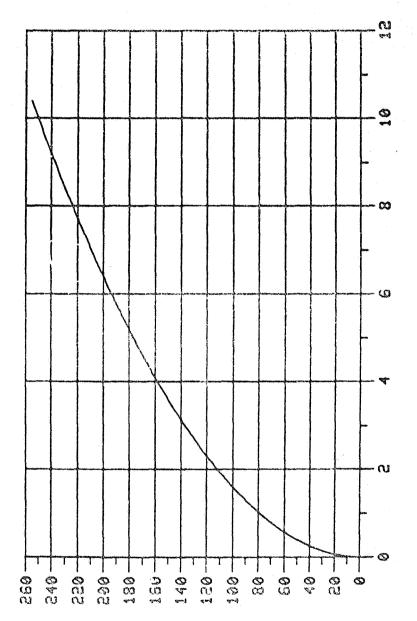
ORIGINAL PAGE 10 OF POOR QUALITY



トモーEEEトスト COコエトの

COUNTS US ENGINEERING UNITS FOR AZTACHB

ORIGINAL PAGE IS OF POOR QUALITY



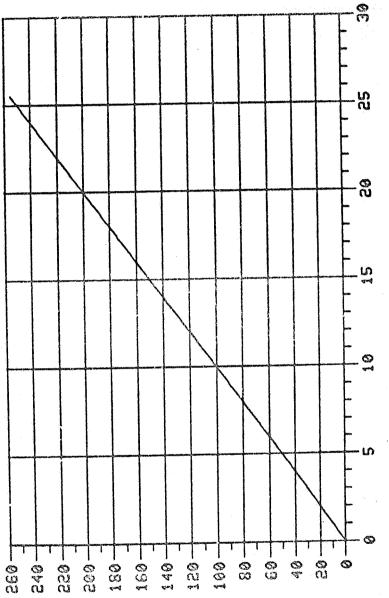
トほしほだらしなり いつりだけら

COUNTS US ENGINEERING UNITS FOR AZUHDRUA

ENGINEERING UNITS - VOLTS

COUNTS US ENGINEERING UNITS FOR AZUHDRUB

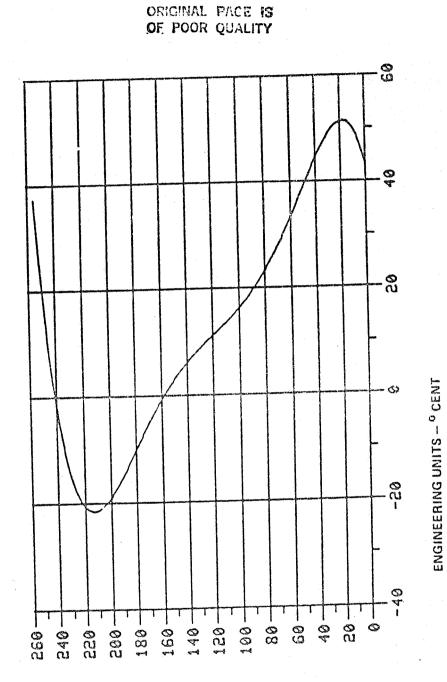
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - VOLTS

トローロをして くりつだけい

COUNTS US ENGINEERING UNITS FOR AZUHLTMP



FULUEUFKY CODZEG

## ORIGINAL PAGE 13 OF POOR QUALITY

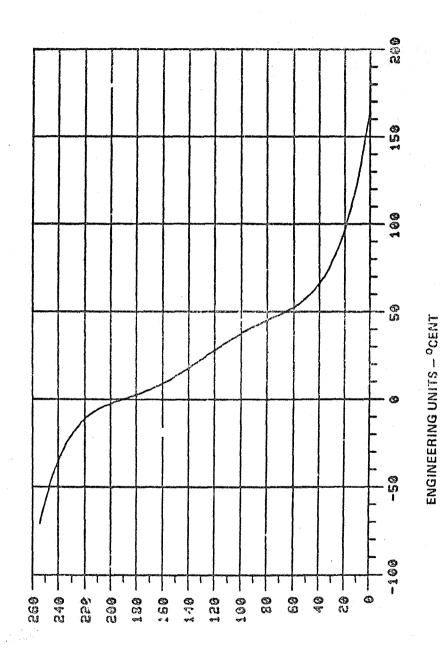
ESAM CONV. DEF.

the right the developed and the last of the last of

\*\*\*\*\*\*\*\*\*\*

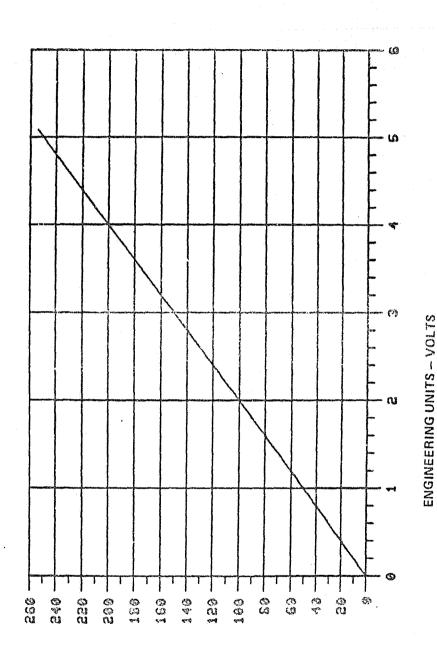
```
ESAM POINT
                   DEF.
POINT
                   ; ESA-1 BOLOMETER TEMPERATURE in deg. centigrade
         EESIBTMP
                     0.1644E+3,-0.4777E+1,0.8178E-1,-0.7119E-3,0.2888E-5,-0.4401E-8
COEFF
         EESTBTMP
POINT
         EEST SEN
                     ESA-1 SENSOR STATUS in
                     0,.02
COEFF
         EESISEN
         EESISIG
                     ESA-1 SIGNAL STATUS in
POINT
         EES1SIG
                     0,.02
COEFF
         EESITMP
                     ESA-I TEMPERATURE in deg. centigrade
POINT
                     0.1644E+3,-0.4777E+1,0.8178E-1,-0.7119E-3,0.2888E-5,-0.4401E-8
COEFF
         EESITMP
                   ; ESA-1 ROLL COARSE ERROR in
         EESTXC
POINT
                     -0.50E+2,0.40E+00
COEFF
         EES1XC
                   ; ESA-1 ROLL FINE ERROR in
POINT
         EESTXF
                     -5.0,0.040
COEFF
         EESIXF
POINT
         EESTYC
                   ; ESA-1 PITCH COARSE ERROR in
                     -.3766E+2,.1536E+0,.1264E-2,.2489E-5,-.2973E-7,.3414E-10
COEFF
         EESTYC
                    ; ESA-1 PITCH FINE ERROR in
POINT
         EESTYF
                     -5.0,0.040
COEFF
         EESTYF
                    ; ESA-2 BOLOMETER TEMPERATURE in deg. centigrade
POINT
         EES2BTMP
                      0.1644E+3,-0.4777E+1,0.8178E-1,-0.7119E-3,0.2888E-5,-0.4401E-8
COEFF
         EES2BTMP
                     ESA-2 SENSOR STATUS in
POINT
         EES2SEN
                     0,.02
         EES2SEN
COEFF
                    ; ESA-2 SIGNAL STATUS in
         EES2SIG
POINT
         EES2SIG
                     0,.02
COEFF
                    ; ESA-2 TEMPERATURE in deg. centigrade
POINT
         EES2TMP
                     0.1644E+3,-0.4777E+1,0.8178E-1,-0.7119E-3,0.2888E-5,-0.4401E-8
         EES2TIMP
COEFF
                    ; ESA-2 ROLL COARSE ERROR in
POINT
         EES2XC
                      -.3766E+2,.1536E+0,.1264E-2,.2489E-5,-.2973E-7,.3414E-10
         EES2XC
COEFF
                   ; ESA-2 ROLL FINE ERROR in
         EES2XF
POINT
                     -5.0,0.040
COEFF
         EES2XF
POINT
         EES2YC
                   ; ESA-2 PITCH COARSE ERROR in
         EES2YC
                     -.50E+2.0.40
COEFF
         EES2YF
                    ; ESA-2 PITCH FINE ERROR in
POINT
                    . -5.0.0.040
         EES2YF
COEFF
```

COUNTS US ENGINEERING UNITS FOR EESIBTMP



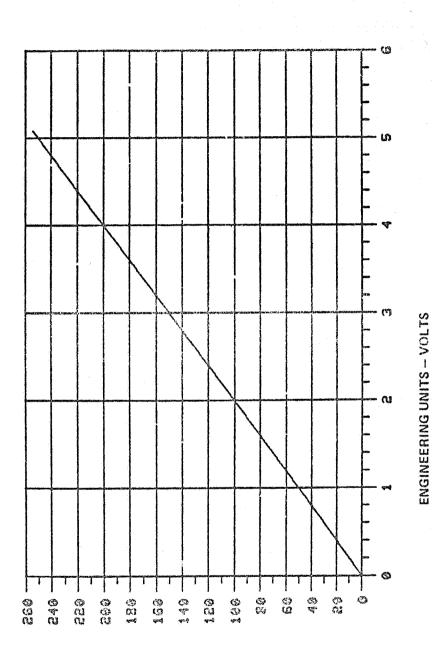
HUMBUPES CODERS

COUNTS US ENGINEERING UNITS FOR EESISEN

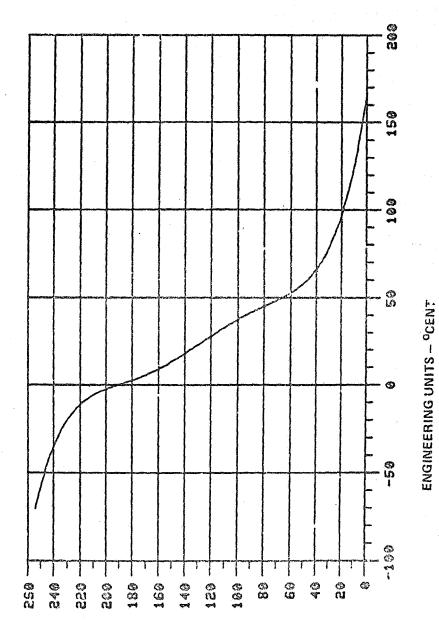


トモリアの くりしだり いっしだり

COUNTS US ENGINEERING UNITS FOR EESISIG



PHIMEMPRY CODEFU

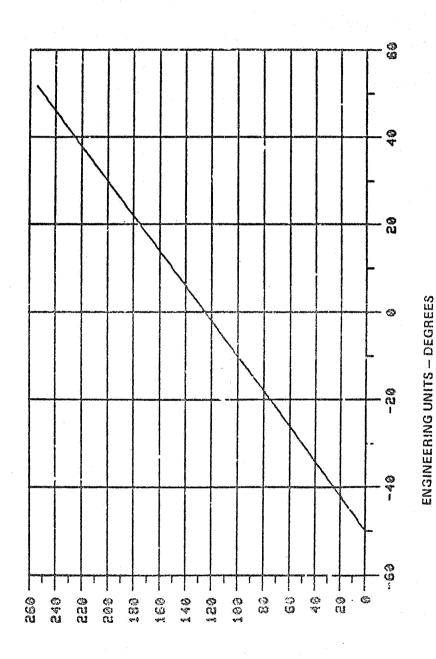


トロニロエロトは> いっコエトの

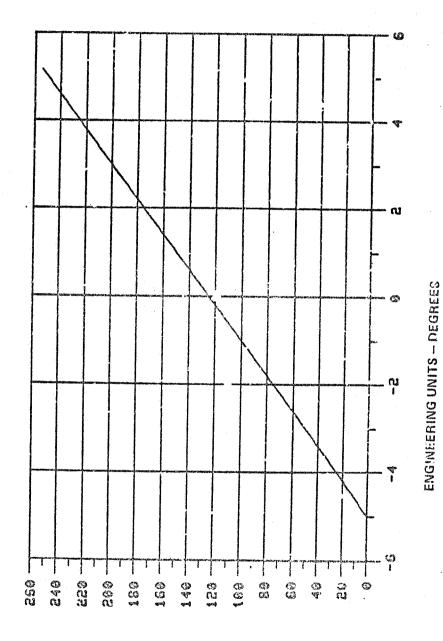
COUNTS US ENGINEERING UNITS FOR EESITMP

A.3-95

COUNTS US ENGINEERING UNITS FOR EESIXC



トミンスにいく くりしだ この

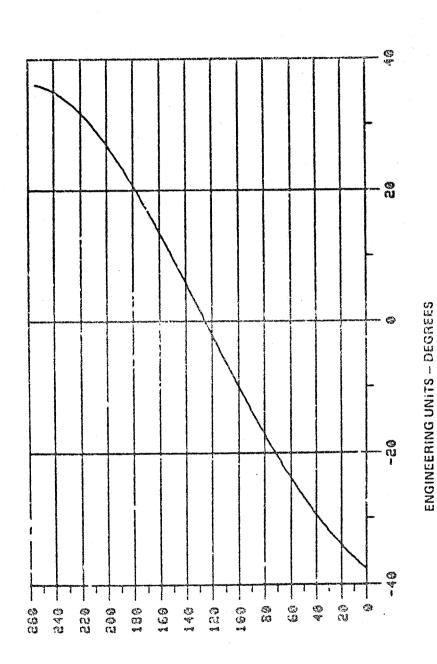


-mamem-e> coaken

COUNTS US ENGINEERING UNITS FOR EESIXF

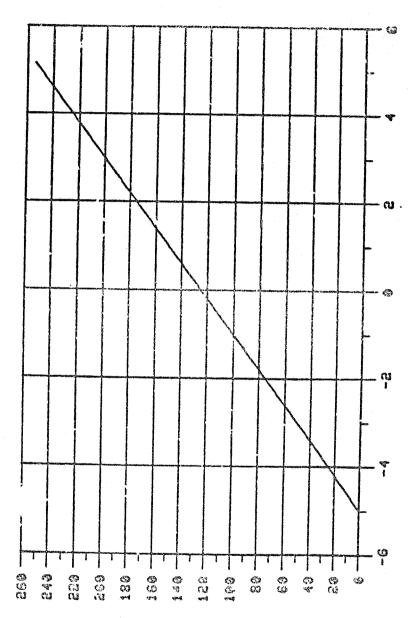
A.3-98





PULLED CODELO

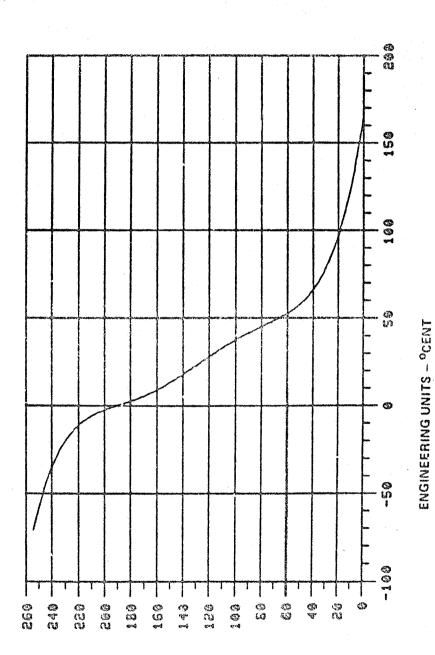
COUNTS US ENGINEERING UNITS FOR EESIVF



ENGINEERING UNITS - DEGREES

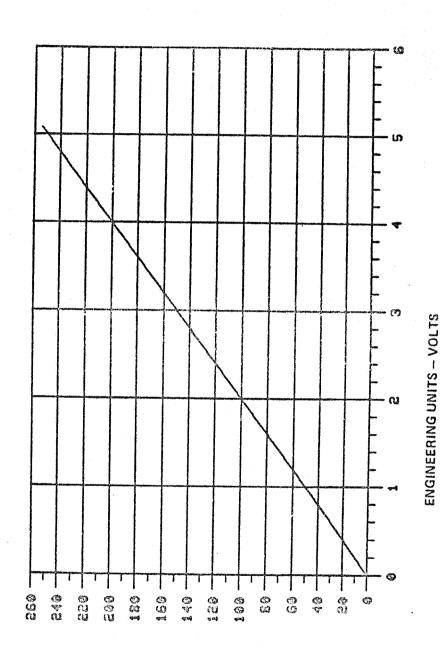
FULUEWFEX CODZEO

COUNTS US ENGINEERING UNITS FOR EESZBTRP



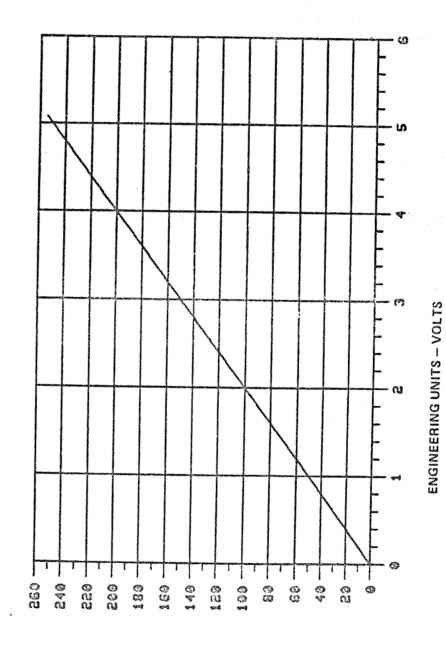
HUJUL THEY CODEHO

COUNTS US ENGINEERING UNITS FOR EESSSEN



PMUMEMPMS CODEFU

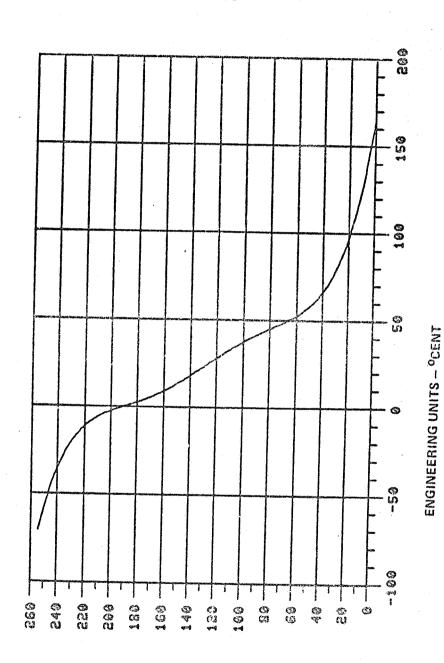
ORIGINAL PAGE IS OF POOR QUALITY



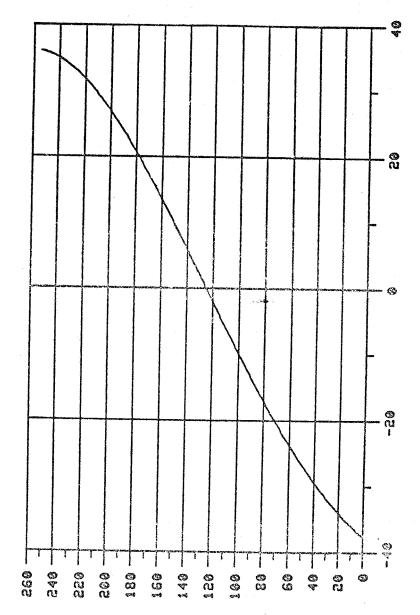
PULLED COUSTO

COUNTS US ENGINEERING UNITS FOR EESSSIG

COUNTS US ENGINEERING UNITS FOR EESSTRP



**トローロエロトは> 00コエトの** 



ENGINEERING UNITS - DEGREES

PHIMEMPED CODEFU

COUNTS US ENGINEERING UNITS FOR EESSXC

9

ENGINEERING UNITS -- DEGREES

FM-MEMFR> CODEFU

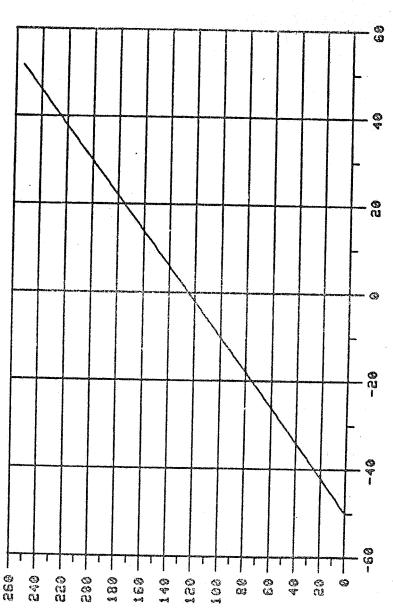
0 0 0 0 0

COUNTS US ENGINEERING UNITS FOR EESEXF

A. 3-106

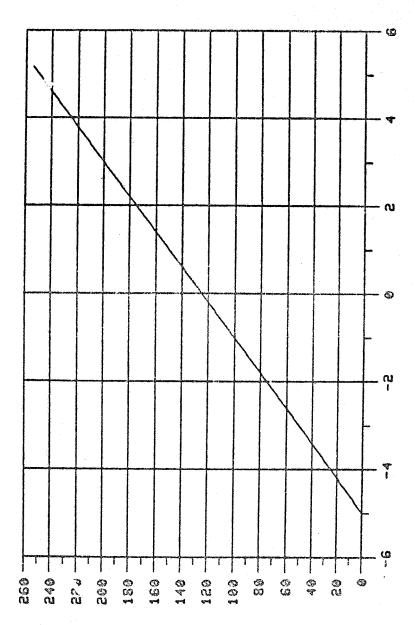
ENGINEERING UNITS — DEGREES

COUNTS US ENGINEERING UNITS FOR EESBYC



-WJWEW-G> COJZEO

COUNTS US ENGINEERING UNITS FOR EESZYF



ENGINEERING UNITS - DEGREES

**ト匠し店は至しなり COUKTO** 

SVS-10266/JA Appendix A June 1982

## APPENDIX A.4

## COMMAND AND DATA HANDLING (C&DH) TELEMETRY CALIBRATION DATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

LSD-WPC-263

```
ORIGINAL PAGE IS
                                             OF POOR QUALITY
      CDH CONV. DEF.
 ***************
      CDH POINT
POINT
                     STACC CU A TEMP in deg. centigrade
         CCUATMP
                     123.41,-2.073,.02265739,-.0001514293,.5173663E-06,-.7163077E-09
COEFF
         CCUATMP
                     STACC CU B TEMP in deg. centigrade
123.41,-2.073,.02265739,-.0001514293,.5173663E-06,-.7163077E-09
POINT
         CCUETMP
         CCUBTMP
COEFF
                     PCU TEMP in deg. centigrade
         CPCUTMP
POINT
                     123.41,-2.073,.02265739,-.0001514293,.5173663E-06,-.7163077E-09
         CPCUTMP
COEFF
POINT
         CPMPTMP
                     PMP TEMP in deg. centigrade
         CPMPTMP
                     123.41,-2.073, 02265739,-.0001514293,.5173663E-06,-.7163077E-09
COEFF
POINT
         CSAGCXPA
                     XPNDR A AGC STDN MODE in
         CSAGCXPA
                      -.25143E+2,-.1393E+1,.15124E-1,-.1141E-3,.41195E-6,-.5479E-9
COEFF
                     XPNDR B AGC STDN MODE in
POINT
         CSAGCXPB
                     -.1269E+2,-.1554E+1,.1768E-1,-.1266E-3,.4323E-6,-.5570E-9
COEFF
         CSAGCXPB
                     MODULE TEMP NEAR HTR A610 THMSTAT in deg. centigrade
POINT
         CTA610
                     123.41,-2.073,.02265739,-.0001514293,.5173663E-06,-.7163077E-09
COEFF
         CTA610
                     MODULE TEMP NEAR HTR A611 THMSTAT in deg. centigrade
POINT
         CTA611
                     123.41,-2.073,.02265739,-.0001514293,.5173663E-06,-.7163077E-09
COEFF
         CTA511
                     XPNDR A AGC TORSS MODE in
         CTAGCXPA
POINT
                      -59.2308,-0.4196
COEFF
         CTAGCXPA
                     XPNDR B AGC TDRSS MODE in
         CTAGCXPB
POINT
                      -.675E+2,-.30E00
COEFF
         CTAGCXPB
         CTEX0SC
                     EXT OSCILLATOR CASE TEMP in deg. centigrade
POINT
                      .20319E3,-.77138E1,.13482,-.11783E-2,.49263E-5,-.79271E-8
COEFF
         CTEXOSC
POINT
         CTMEMO3
                     MEM 0,3 INTERSPACE TEMP in deg. centigrade
                     123.41,-2.073,.02265739,-.0001514293,.5173663E-06,-.7163077E-09
COEFF
         CTMEMO3
                     RIU 01 A TEMP in deg. centigrade
POINT
         CTRIUA
                     123.41,-2.073,.02265739,-.0001514293,.5173663E-06,-.7163077E-09
COEFF
         CTRIUA
                     RIU 01 A/B INTERSPACE TEMP in deg. centigrade
POINT
         CTRIUAB
                     123.41,-2.073,.02265739,-.0001514293,.5173663E-06,-.7163077E-09
COEFF
         CTRIUAB
POINT
         CTRIUB
                     RIU 01 B TEMP in deg. centigrade
                     123.41,-2.073,.02265739,-.0001514293,.5173663E-06,-.7163077E-09
COEFF
         CTRIUB
                     STINT A TEMP in deg. centigrade
POINT
         CTSTNTA
                     123.41,-2.073,.02265739,-.0001514293,.5173663E-06,-.7163077E-09
COEFF
         CTSTNTA
                     STINT B TEMP in deg. centigrade
POINT
         CTSTNTB
                     123.41,-2.073,.02265739,-.0001514293,.5173663E-0,-.7163077E-09
COEFF
         CTSTNTB
POINT
         CTXOVEN
                     EXT OSC OVEN TEMP in deg. centigrade
                      .16067E3,-.27709E1,.36536E-1,-.29093E-3,.11473E-5,-.17642E-8
COEFF
         CTXOVEN
         CTXPAB
                     MODULE TEMP BETWEEN XINDRS A & B in deg. centigrade
POINT
                      123.41,-2.073,.02265739,-.0001514293,.5173663E-06,-.7163077E-09
         CTXPAB
COEFF
POINT
         CTXPAPA
                     WANDER A POWER AMP TEMP in deg. centigrade
                     96.47,-3.0517,.04956856,-.0004319081,.182755E-05,-.2956399E-08
         CTXPAPA
COEFF
                    ; XFNDR A TCXO TEMP in deg. centigrade
POINT
         CTXPAXO
         CTXPAXO
                     96.47,-3.0517,.04956856,-.0004319081,.182755E-05,-.2956399E-08
COEFF
POINT
         CTXPB2A
                     XPNDR B POWER AMP TEMP in deg. centigrade
COEFF
         CTXPBPA
                     96.47,-3.0517,.04956856,-.0004319081,.182755E-05,-.2956399E-08
POINT
         CTXPBXO
                     XPNDR & TCXO TEMP in deg. centigrade
                     96.47,-3.0517,.04956856,-.0004319081,.182755E-05,-.2956399E-08
COEFF
         CTXPBXO
POINT
         CUNRG28
                    : +28V UNREG BUS in
```

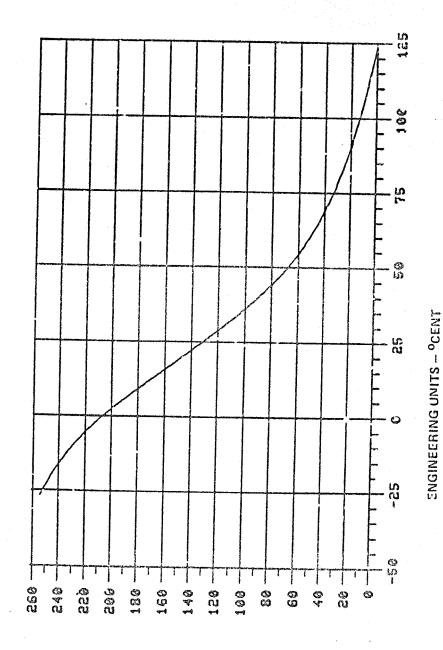
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

COEFF

CUNRG28

0.0,0.1853

ORIGINAL PACE IS SVS-10266/3 OF POOR QUALITY Appendix . June 198: POINT CVEXOSC ; EXT OSC REG VOLTAGE in COEFF CVEXOSC 0.0,0.05359 POINT ; EXT OSC OVEN VOLTAGE in CYXOVEN COEFF CAXOAEN 0.0,0.05896 POINT CXPAFWD ; XPNDR A RF FORWARD POWER in COEFF CXPAFWD -.7247E-3,.1867E-1,.6336E-4,-.1448E-5,.1035E-7,-.2103E-10 POINT **CXPAREY** ; XPNDR A RF REFLECTED POWER in COEFF **CXPAREV** .5437E-2,.4050E-2,-.1989E-3,.3398E-5,-.8093E-8 ; XPNDR B RF FORWARD POWER in POINT **CXPBFWD** COEFF CXPBFWD 0.0,.2692E-1 POINT **CXPBREV** ; XPNDR B RF REFLECTED POWER in COEFF **CXPBREV** , .7592E-3, .2429E-2, .2259E-3, .2560E-7, .9311E-9, .9789E-10

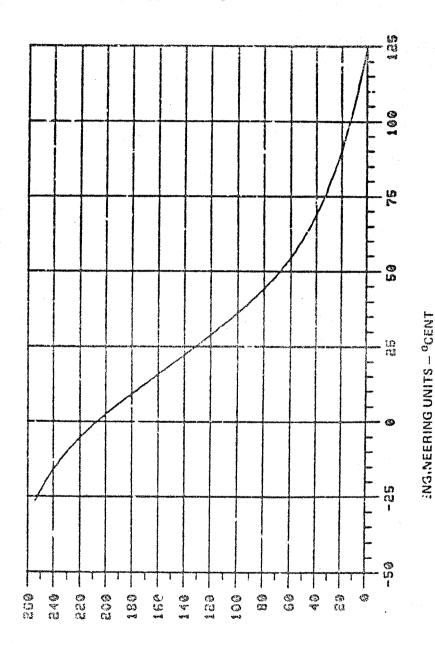


P.NTMEMPED COUSEN

A A-A

COUNTS US ENGINEERING UNITS FOR CCUATHP

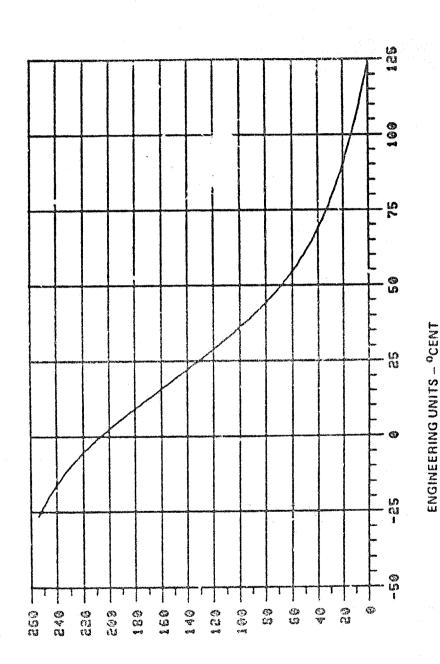
OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR CCUBINP

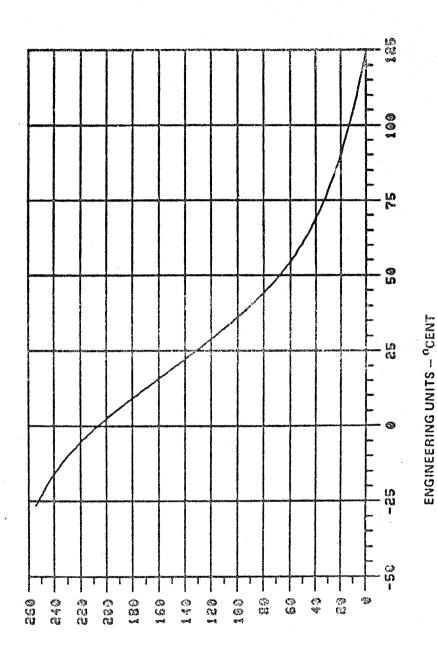
-MTMEM-K> CODEPA

COUNTS US ENGINEERING UNITS FOR CPCUTMP



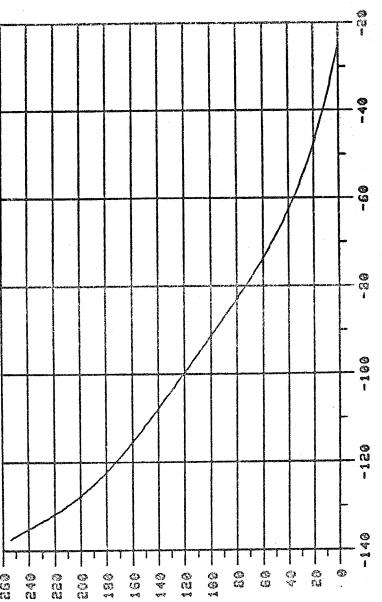
トビ」いになってなっ いっつととの

COUNTS US ENGINZERING UNITS FOR CPRPTRP



HUJUEUPED CODEPS

ORIGINAL PAGE IS OF POOR QUALITY

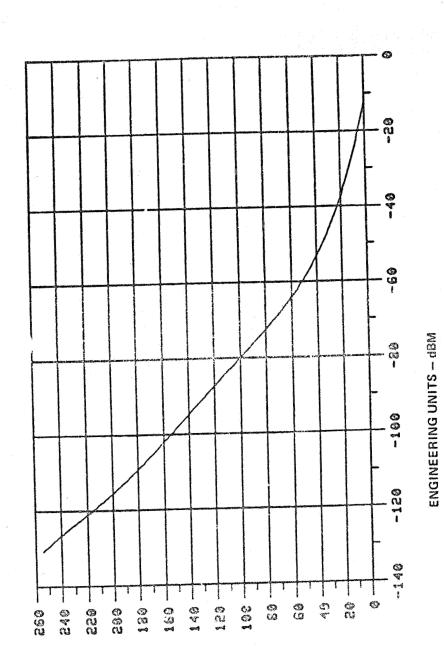


ENGINEERING UNITS - 48M

-WJUZU-K> OOZEO

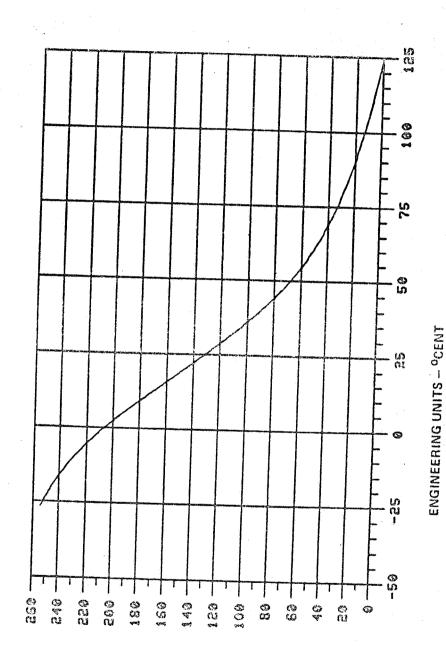
COUNTS US ENGINEERING UNITS FOR CSAGCXPA

COUNTS US ENGINEERING UNITS FOR CSAGCXPB



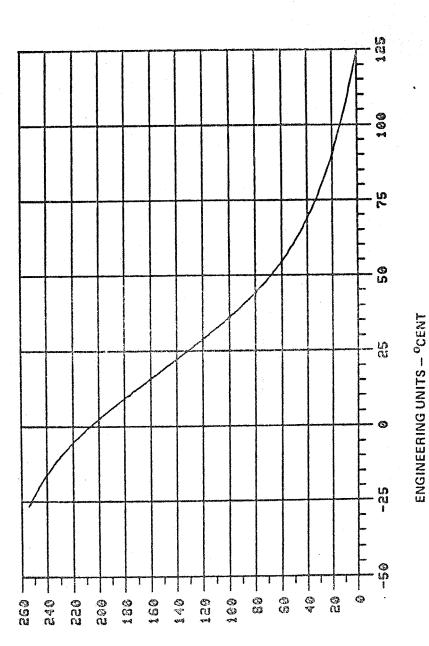
PULUEUPC> CODEFO

COUNTS US ENGINEERING UNITS FOR CTAGIO



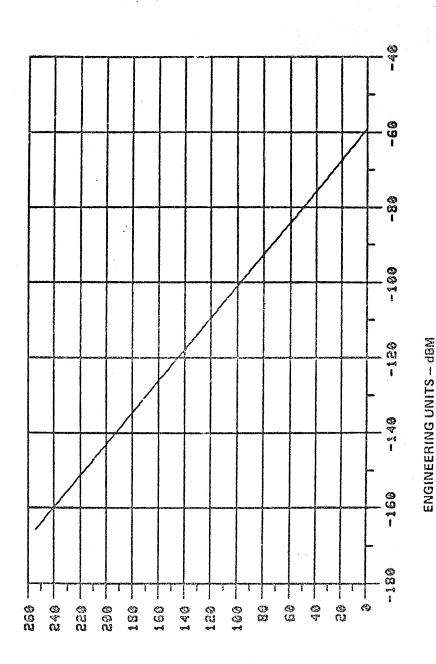
-MIMEMLES COSTER

COUNTS US ENGINEERING UNITS FOR CTAG11



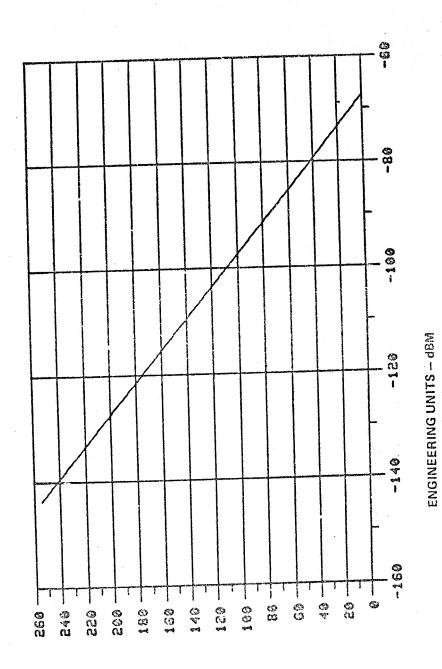
OF POOR QUALITY

COUNTS US ENGINEERING UNITS FOR CTACCXPA



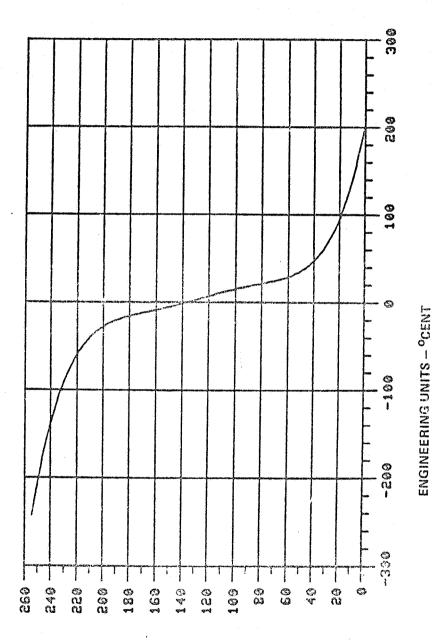
トロンロドローペン 000メトの

COUNTS US ENGINEERING UNITS FOR CTAGCXPB



FULUEUFE> CODZEO

ORIGINAL PAGE IS OF POOR QUALITY

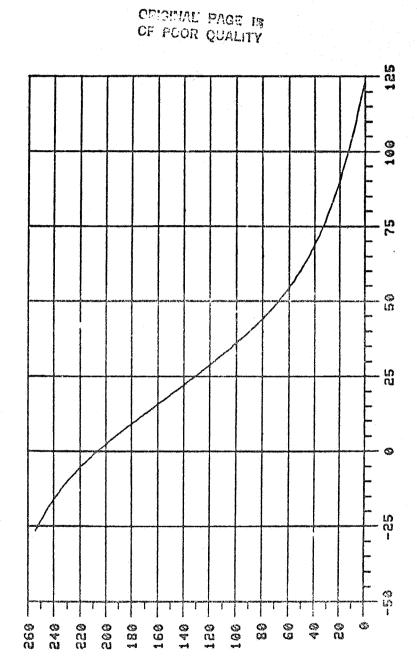


HUJUEMIC> CODZI-O

COUNTS US ENGINEERING UNITS FOR CTEXOSC

A.4-14

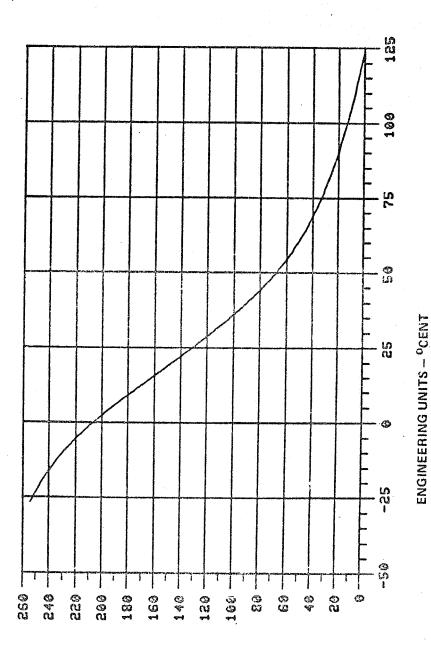
COUNTS US ENGINEERING UNITS FOR CTRENDS



ENGINEERING UNITS - OCENT

PUJUEUPES CODEPO

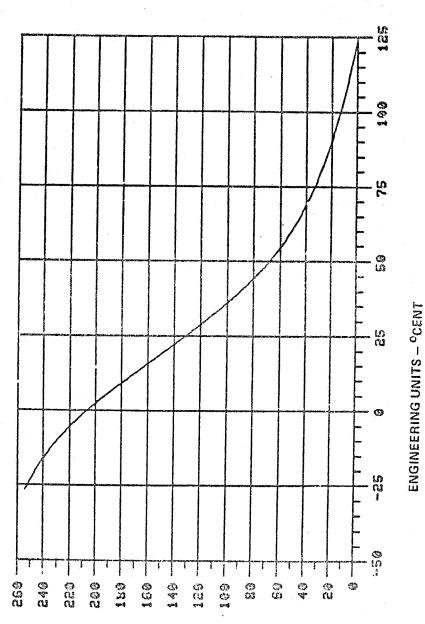
ORIGINAL PAGE IS OF POOR QUALITY



トミしにはしてく いりひだすら

COUNTS US ENGINEERING UNITS FOR CTRIUM

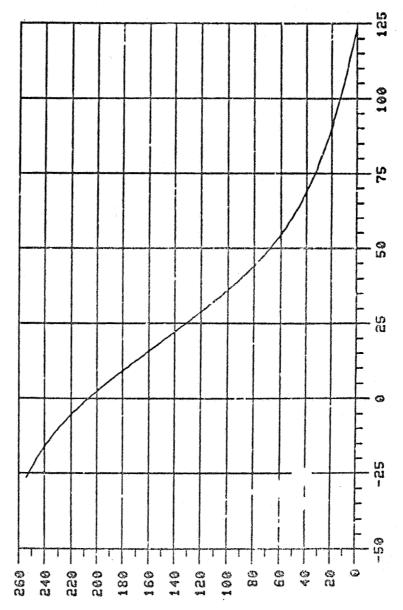
ORIGINAL PAGE IS OF POOR QUALITY



PERMENEN CODEFU

COUNTS US ENGINEERING UNITS FOR CTRIUAB

A.4-17

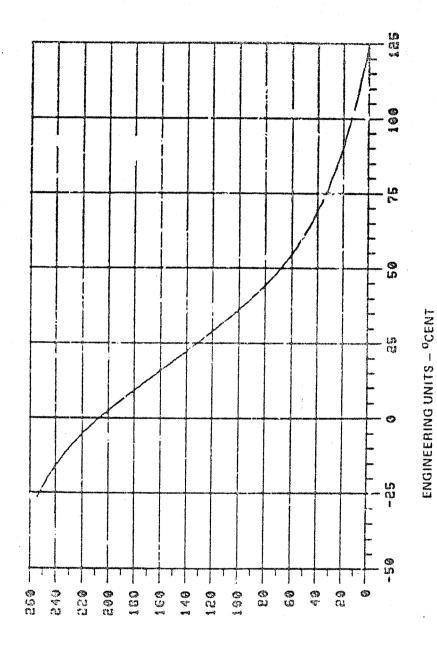


ENGINEERING UNITS - OCENT

FULUEMFRS CODEFU

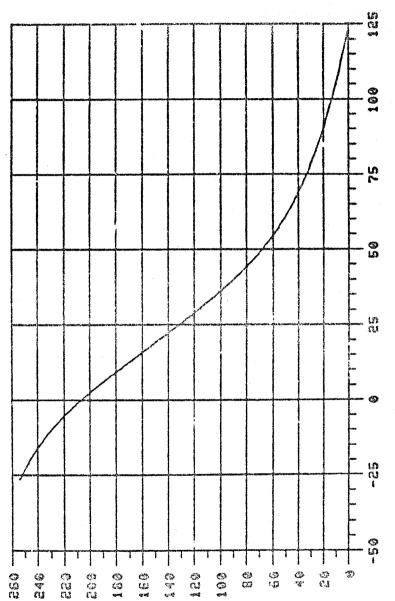
COUNTS US ENGINEERING UNITS FOR CTRIUB

ORIGINAL PAGE IS OF POOR QUALITY



-W-WEW-K> CODZEW

COUNTS US ENGINEERING UNITS FOR CTSTNTB

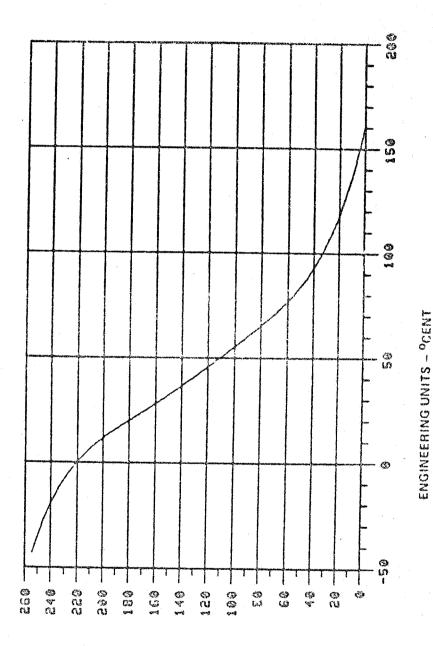


ORIGINAL PAGE IS OF POOR QUALITY

ENGINEERING UNITS - OCENT

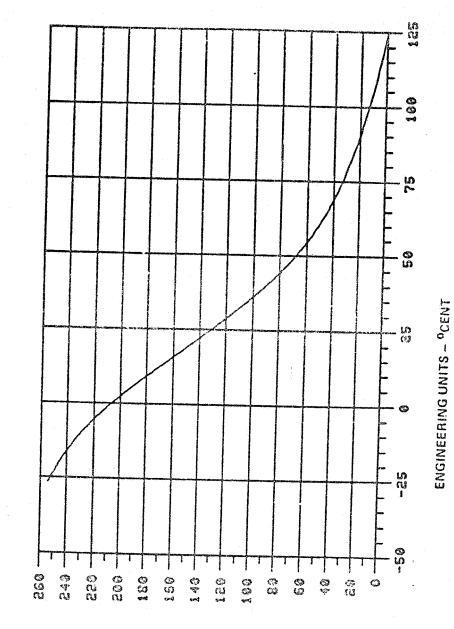
しょいにいい くりしだけら

OF POOR QUALITY



HUJWEWHEY CODZHW

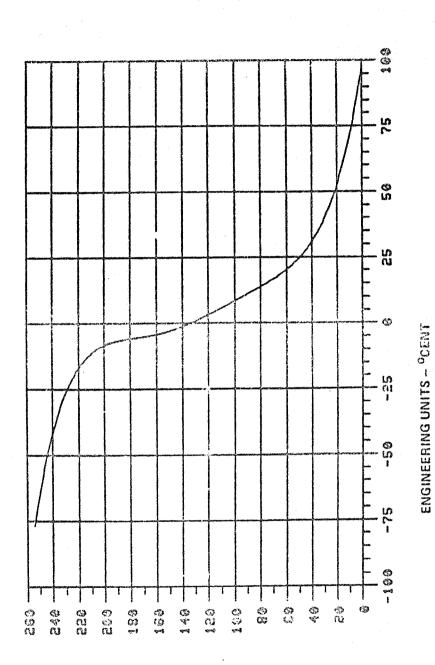
COUNTS US ENGINEFRING UNITS FOR CTXOUEN



HUNDEMPRO COUSER

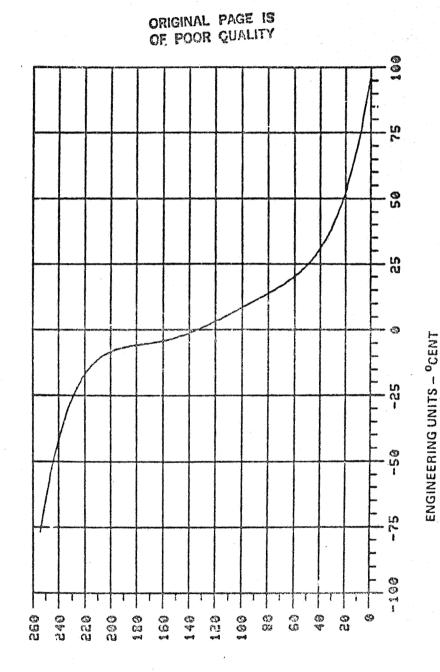
COUNTS US ENGINEERING UNITS FOR CTXPAB

COUNTS US ENGINEERING UNITS FOR CTAPAPA



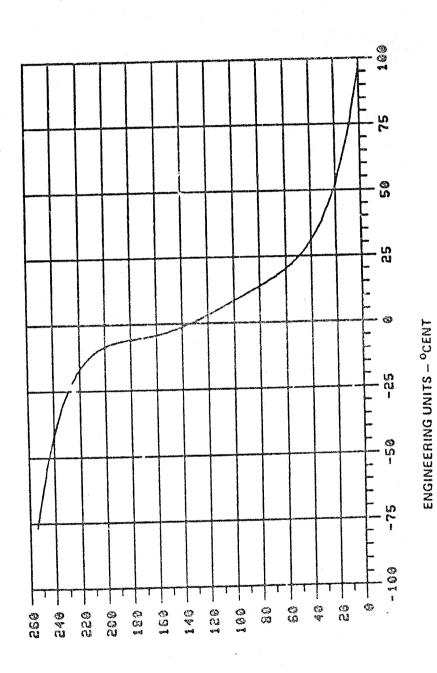
PERSON COST PO

COUNTS US ENGINEERING UNITS FOR CTXPAXO



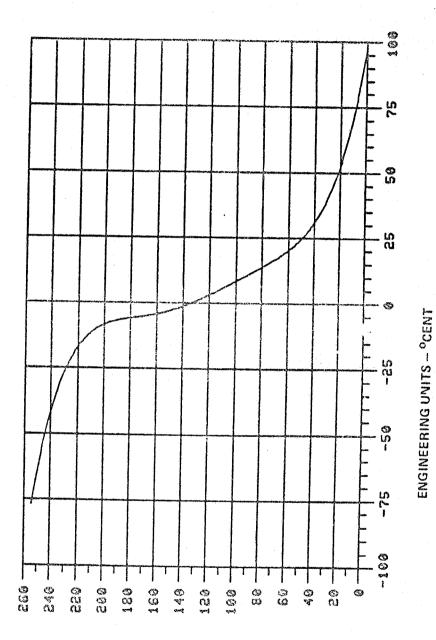
トピーピュロア くりしだけん

COUNTS US ENGINEERING UNITS FOR CTXPBPA



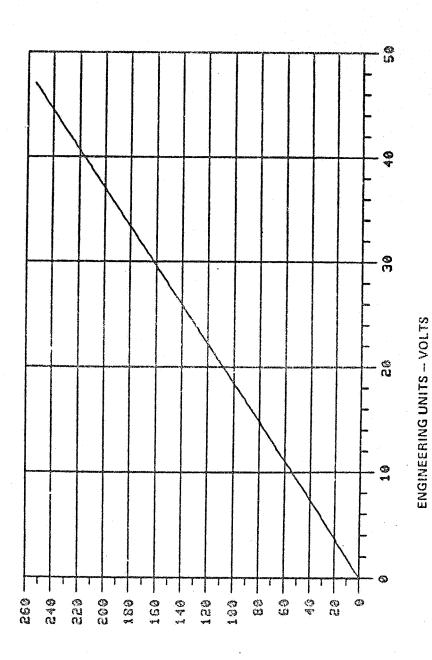
HULUEMPA> COUZPA

ORIGINAL PAGE IS OF POOR QUALITY



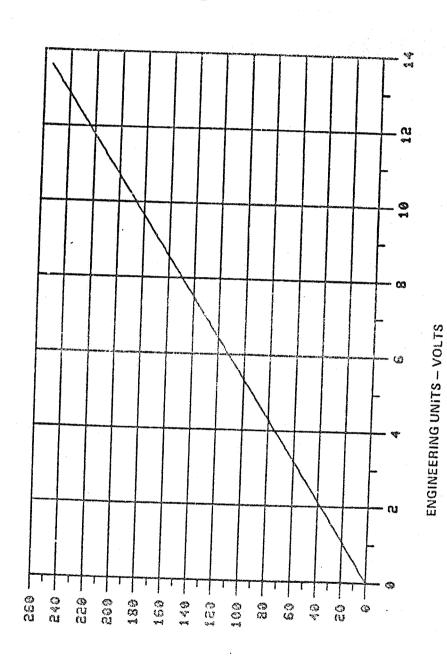
PULUEMPER COUSEN

COUNTS US ENGINEERING UNITS FOR CUNRG28



FEULEN COURTS

COUNTS US ENGINEERING UNITS FOR CUEXOSC



トミーにと くりしだてら

ORIGINAL PLOS IN OF POCK QUALITY

40 900 (U) . ଅଷ୍ଟ 88 160 ₩ © ලා ලා

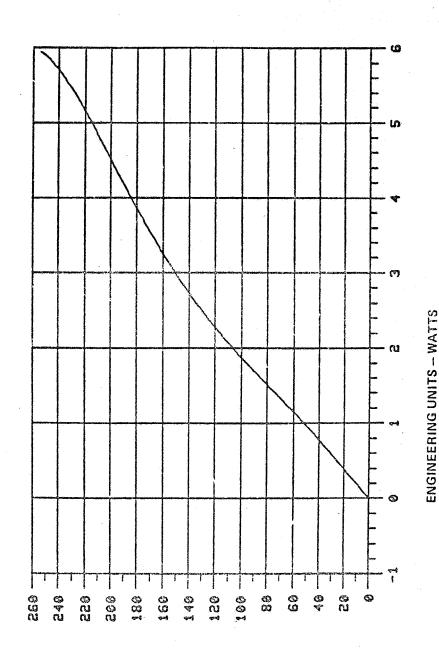
ENGINEERING UNITS - VOLTS

トピーピュース> つつコアトの

COUNTS US ENGINEERING UNITS FOR CUXOUEN

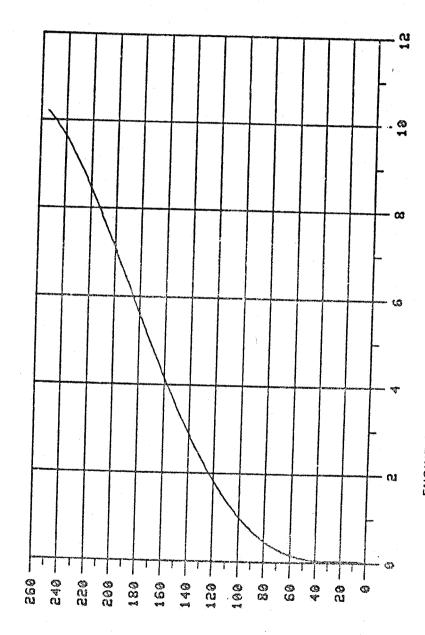
A.4-29

COUNTS US ENGINEERING UNITS FOR CXPAFUD



FUJUEUFES CODZEG





トミしことにいく くりしれてら

ENGINEERING UNITS - WATTS

COUNTS US ENGINEERING UNITS FOR CXPBFUD

ENGINEERING UNITS - WATTS

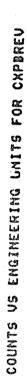
トピーピニロア くりつととの

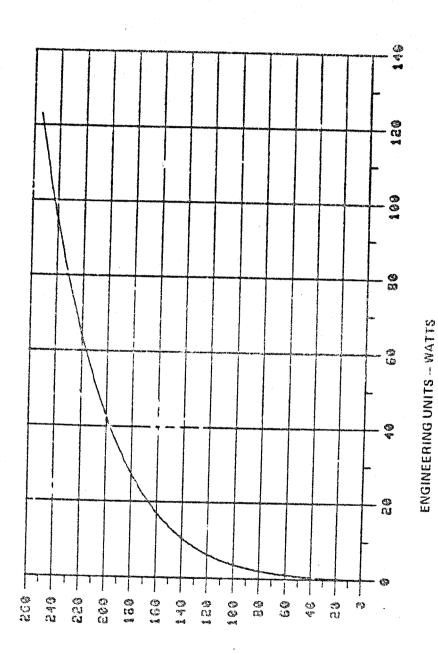
186 166

4 M 6 0 0 0 0 0 0 0 0 0 0

63

8

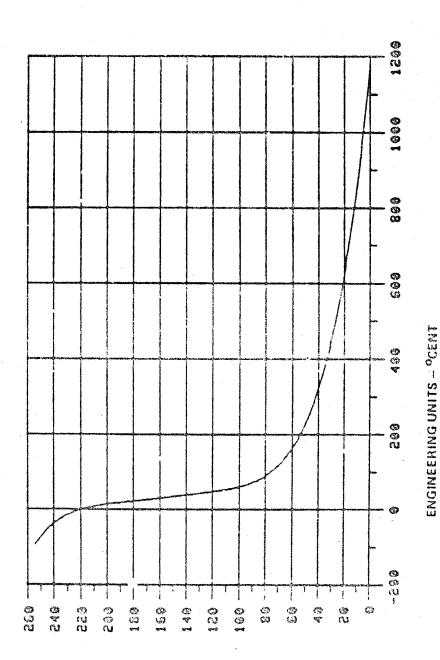




CHICOC CHAMBULUA

```
RIU CONV. DEF.
                                                 CRICINAL FACE IS
                                                 OF POOR QUALITY
*************
      RIU POINT
                        DEF.
POINT
           RTADS
                        ;ADS TEMP in deg.centigrade
                        , .11682E+4,-.35431E+2,.45573E00,-.29525E-2,.95116E-5,-.12177E-7; RIU 05 TEMP in deg. centigrade
.123.41,-2.073,.02265739,-.0001514293,.5173663E-6,-.7163077E-9; RIU 07 TEMP in deg. centigrade
COEFF
           RTADS
POINT
           RTRIU6
COEFF
           RTRIU6
POINT
           RTRIU7
COEFF
           RTRI U7
                        , 123.41,-2.073,.02265739,-.0001514293,.5173663E-6,-.7163077E-9
POINT
           RTRIU8
                       ; RIU 08 TEMP in deg. centigrade
                        , 123.41,-2.073,.02265739,-.0001514293,.5173663E-6,-.7163077E-9
COEFF
           RTRI US
```

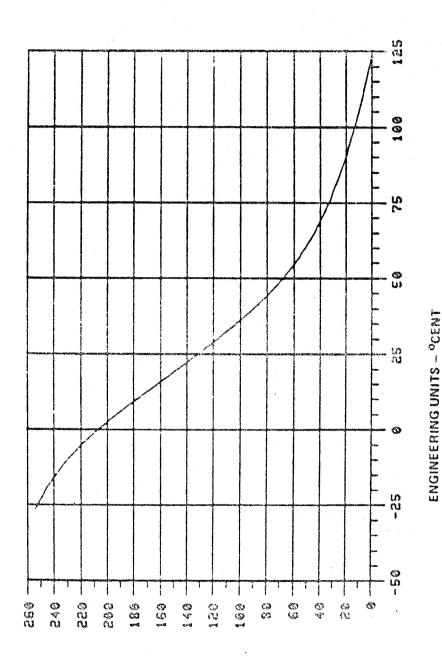
COUNTS US ENGINEERING UNITS FOR RIADS



マードロロ 人りょうほどころ

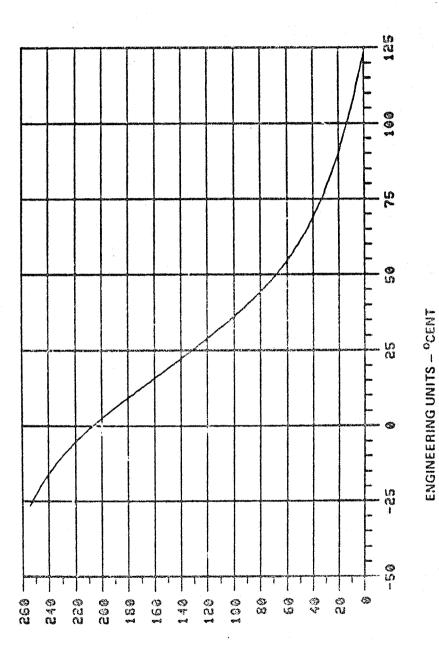
COUNTS US ENGINEERING UNITS FOR RIRIUG

ORIGINAL PAGE IS OF POOR QUALITY



-WJWEW-X> CODZEN

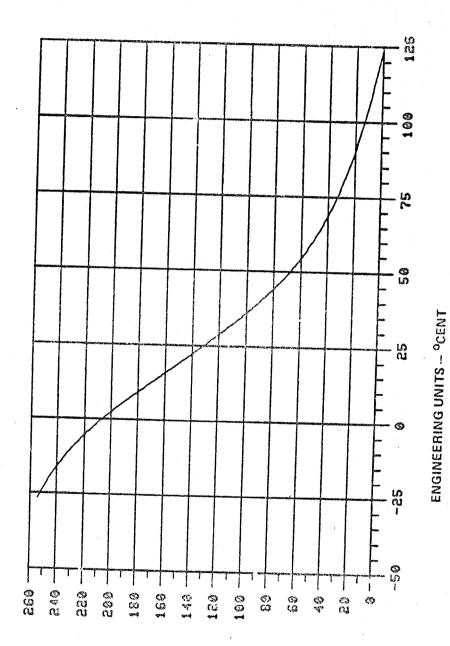
ORIGINAL PAGE IS OF POOR QUALITY



トミしには とくり こうしん こうしん しゅうしょう

COUNTS US ENGINEERING UNITS FOR RTRIU7

ORIGINAL PAGE IS OF POOR QUALITY



-WIWEWICS CODZEG

COUNTS US ENGINEERING UNITS FOR RTRIUS

A.4-38

## ORIGINAL PAGE IS OF POOR QUALITY

SVS-10266/3A Appendix A June 1982

## APPENDIX A.5

## NARROW BAND TAPE RECORDER (NETR) TELEMETRY CALTERATION DATA

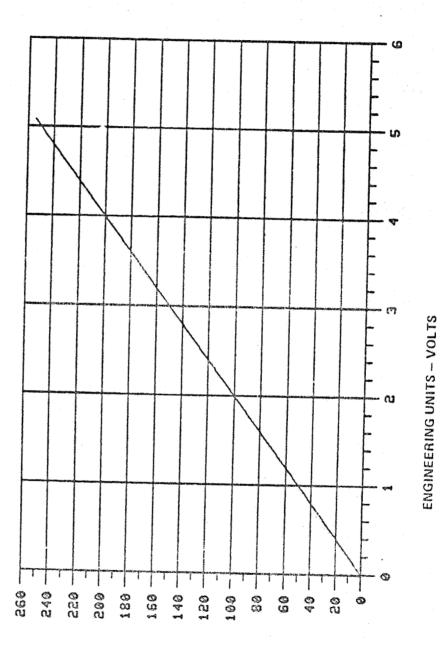
The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed alon, with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

```
NBTR CONV. DEF.
 ***************
      NBTR POINT
                    DEF.
POINT
         NTASBOT
                    ; SECONDARY BOT SENSOR in
COEFF
          NTASBOT
                      0,0.02
POINT
          NTASEOT
                      SECONDARY EOT SENSOR in
COEFF
          NIASEOT
                      0,.02
POINT
          NIMTRI
                      MOTOR CURRENT in
COEFF
          NIMTRI
                      0.0.02
POINT
          NIPTENC
                      ENCODER SENSOR PRIMARY NO. 1 in
          NIPIENC
COEFF
                      0,.02
POINT
         N1P2ENC
                      ENCODER SENSOR PRIMARY NO. 2 in
         N1P2ENC
COEFF
                      0,.02
POINT
         N1P3ENC
                      ENCODER SENSOR PRIMARY NO. 3 in
COEFF
         N1P3ENC
                      0..02
POINT
         NIPREEL
                      REEL PRIMARY SENSOR in
COEFF
         NIPREEL
                      0,0.02
POINT
         NIPTACH
                      TACHOMETER SENSOR - PRIMARY in
         NIPTACH
COEFF
                      0,.02
POINT
         NIPWR5V
                      +5V POWER in voits
         NIPWR5V
COEFF
                      0.0.2000E-01
POINT
         NISTENC
                      ENCODER SENSOR SECONDARY NO. 1 in
COEFF
         MISTENC
                      ENCODER SENSOR SECONDARY NO. 2 in
POINT
         NISZENC
COEFF
         N1S2ENC
                      0,.02
POINT
         N1S3ENC
                      ENCODER SENSOR SECONDARY NO. 3 in
COEFF
         N1S3ENC
                      0..02
         NISPEED
POINT
                      MOTOR SPEED in
COEFF
         N1SPEED
                      -3.0,0.144
POINT
         NI SREEL
                      REEL REDUNDANT SENSOR in
COEFF
         NISREEL
                      0,0.02
POINT
         NISTACH
                     TACHOMETER SENSOR - SECONDARY in
COEFF
         NISTACH
                      0..02
         NISVERR
POINT
                    ; RECORDER NO. 1 SERVO ERROR in
COEFF
         NISVERR
                      -9.091 0.2613
POINT
         N2ASBOT
                      SECONDARY BOT SENSOR in
COEFF
         N2ASBOT
                      0,.02
POINT
         N2ASE OT
                      SECONDARY EOT SENSOR in
COEFF
         N2ASE OT
                      0,.02
POINT
         N2MTRI
                    ; MOTOR CURRENT in
COEFF
         N2MTRI
                      0.0.02
POINT
         N2P1ENC
                    : ENCODER SENSOR PRIMARY NO. 1 in
COEFF
         N2P1ENC
                      0..02
POINT
         NZPZENC
                    ; EXCODER SENSOR PRIMARY NO. 2 in
COEFF
         N2P2ENC
                      0,.02
POINT
         N2P3ENC
                    ; ENCODER SENSOR PRIMARY NG. 3 in
COEFF
         N2P3ENC
                     0,.02
POINT
         N2PREEL
                    : REEL PRIMARY SENSOR in
COEFF
         N2PREEL
                      0,.02
POINT
         N2PTACH
                     TACHOMETER SENSOR - PRIMARY in
         N2PTACH
COEFF
                    , 0,.02
```

\*\*\*\*\*\*

```
POINT
         N2PWR5V
                    ; +5V POWER in volts
COEFF
          N2PWR5V
                    , 0,0.02
POINT
          N2STENC
                    : ENCODER SENSOR SECONDARY NO. 1 in
COEFF
          N2STENC
                    , 0,.02
POINT
          N2S2ENC
                    ; ENCODER SENSOR SECONDARY HO. 2 1n
                    , 0,.02
COEFF
          N2SZENC
POINT
         N2S3ENC
                    ; ENCODER SENSOR SECONDARY NO. 3 in
COEFF
         N2 S3ENC
                      0..02
POINT
         N2SPEED
                    ; Mui OR SPEED in
COEFF
         N2SPEED
                      -3.0,0.144
POINT
         N2SREEL
                      REEL REDUNDANT SENSOR in
COEFF
         N2SREEL
                      0,.02
         N2STACH
N2STACH
POINT
                     TACHOMETER SENSOR - SECONDARY in
COEFF
                      0,.02
POINT
         N2SVERR
                    ; RECORDER NO. 2 SERVO ERROR in
COEFF
         N2SVERR
                    , -9.091,0.2613
```

ORIGINAL PAGE IS OF POOR QUALITY

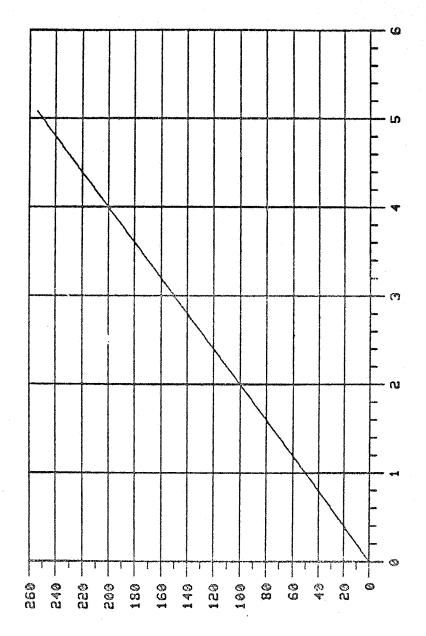


COUNTS US ENGINEERING UNITS FOR NIASBOT

トロコロエロトの> CODEFO

COUNTS US ENGINEERING UNITS FOR NIASEOT

ORIGINAL PAGE IS OF POOR QUALITY



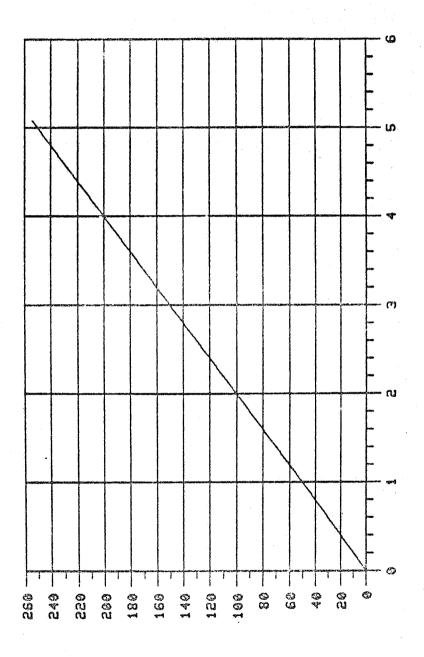
ENGINEERING UNITS - VOLTS

トほしほれるてなり くりひれてら

Appendix A June 1982

ENGINEERING UNITS - VOLTS

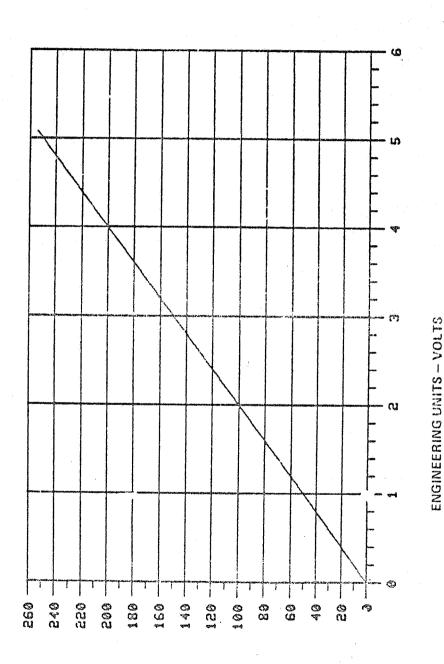
ORIGINAL PAGE IS OF POOR QUALITY



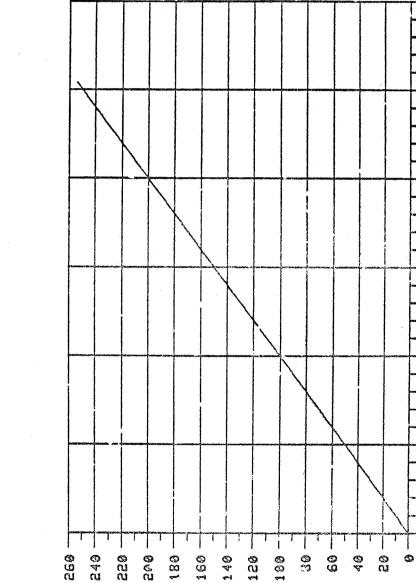
FULUEWERY CODEFO

COUNTS US ENGINEERING UNITS FOR NIMTRI

COUNTS US ENGINEERING UNITS FOR NIPIENC



NAZCOO CBAMBULUA

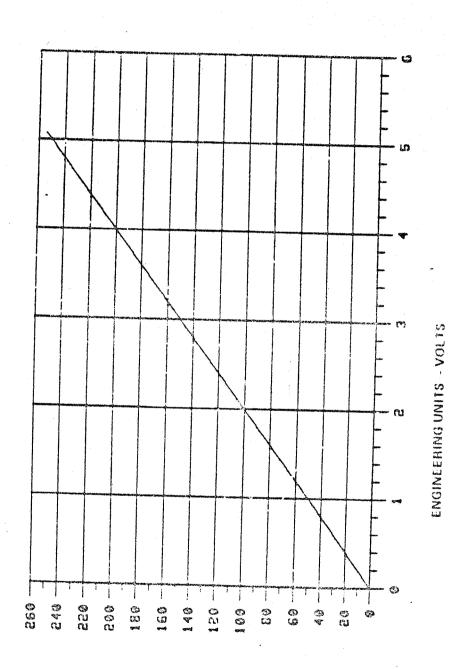


COUNTS US ENGINEERING UNITS FOR NIPZENC

ENGINEFRING UNITS - VOLTS

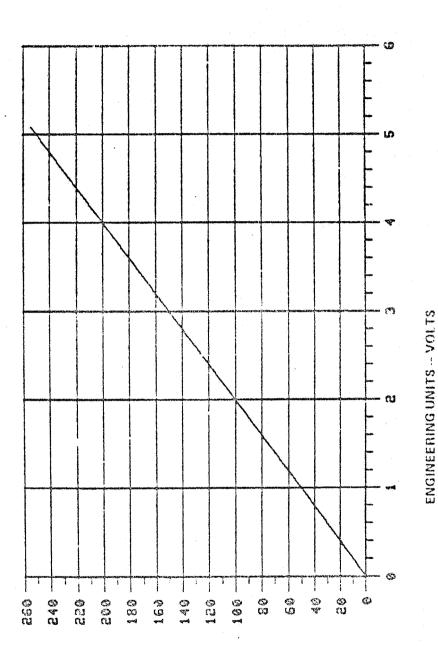
FWJMEMFC: CODZE:

COUNTS US ENGINEERING UNITS FOR NIPSENC



トモし こり しょうけい しょうけいろ

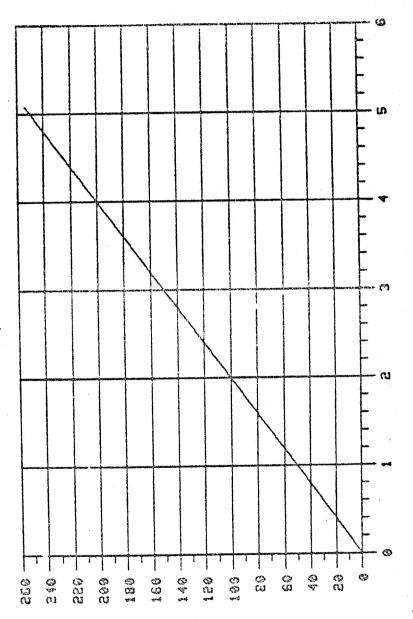
OF POOR QUALITY



トミュロドロトは> いつしれてら

COUNTS US ENGINEERING UNITS FOR NIPREEL

ORIGINAL PARTY OF POCH COME

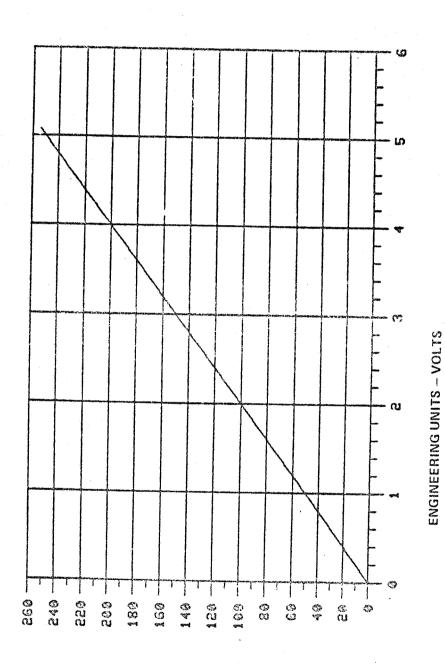


PHIMEMPRY CODEPA

COUNTS US ENGINEERING UNITS FOR NIPTACH

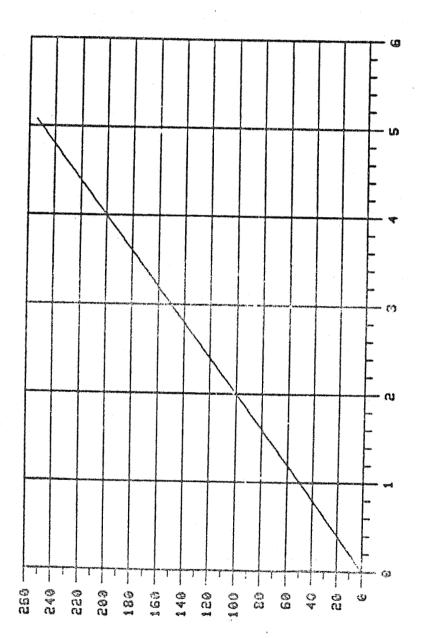
ENGINEERING UNITS -- VOLTS

COUNTS US ENGINEERING UNITS FOR NIPURSU



トピーピーは くりしょうい

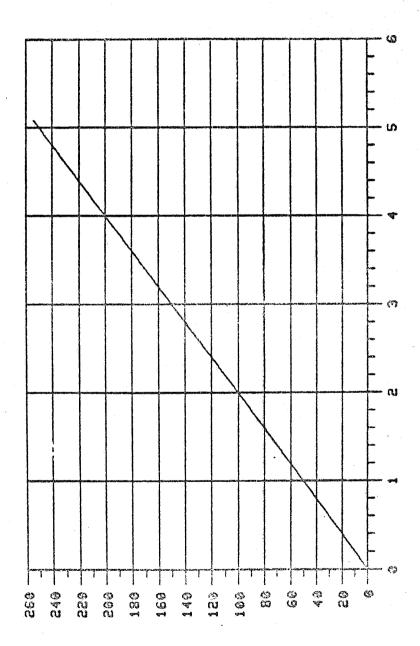
COUNTS US ENGINEERING UNITS FOR NISIENC



ENGINEERING UNITS - VOLTS

PHIMEMPED CODEPU

ORIGINAL PAGE IS OF POOR QUALITY

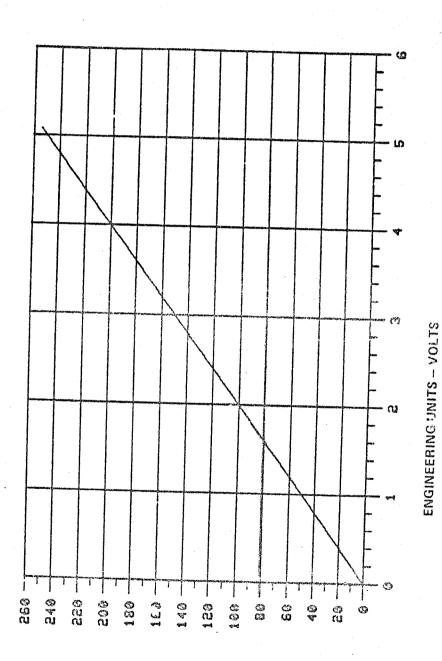


PHUMEMPED CODEPA

COUNTS US ENGINEERING UNITS FOR NISZENC

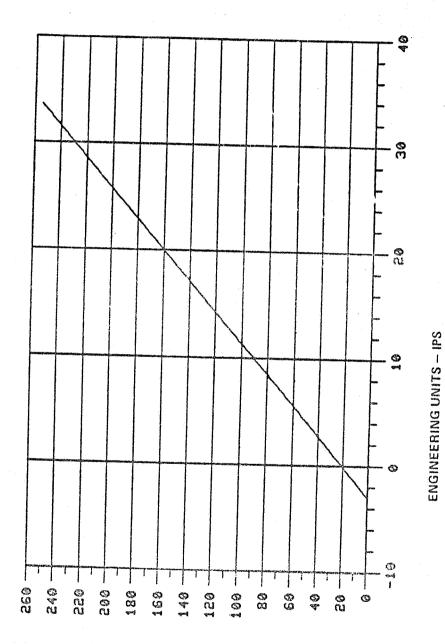
ENGINEERING UNITS - VOLTS

COUNTS US ENGINEERING UNITS FOR NISSENC



トピーピーはア くりつだトの

CRICINAL PACE IS OF POOR QUALITY



トшーшをと くりつだとの

COUNTS US ENGINEERING UNITS FOR NISPEED

A.5-16

CALCAMA SACT 13 CE POUR QUALITY

200 160 -| | | | | | 180 -9 740 8 (C)

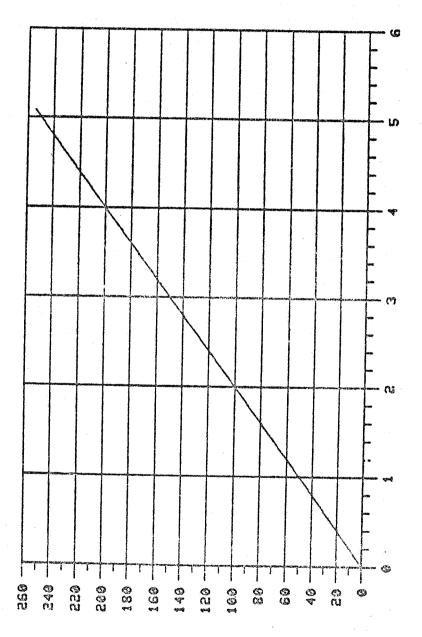
ENGINEERING UNITS - VOLTS

LMTMEMLES COSTIN

COUNTS US ENGINEERING UNITS FOR MISREEL

A.5-17

ORIGINAL PACE IS OF POOR QUALITY

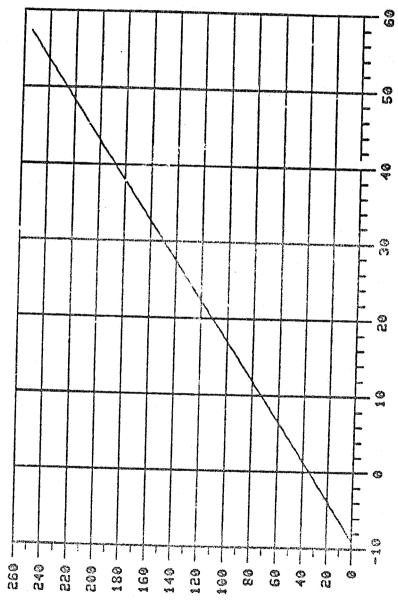


MUNICO COURTH

COUNTS US ENGINEERING UNITS FOR NISTACH

A.5-18

ENGINEERING UNITS - VOLTS



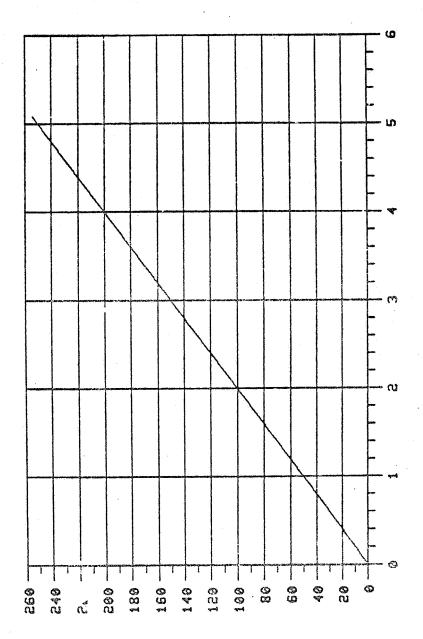
COUNTS US ENGINEERING UNITS FOR NISUERR

トローロー くりしょしの

A.5-19

ENGINEERING UNITS - IPS

ORIGINAL PAGE IS OF POOR QUALITY



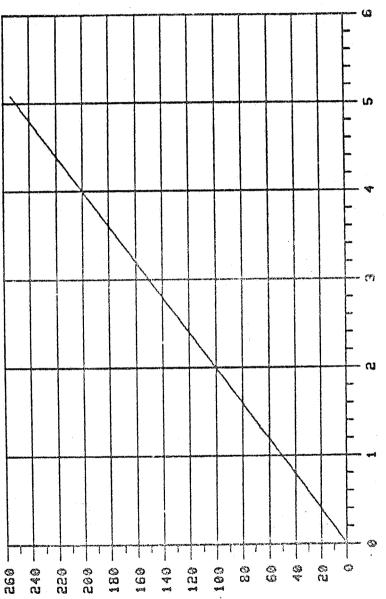
ENGINEERING UNITS - VOLTS

FULUEUFES CODEFO

COUNTS US ENGINEERING UNITS FOR NZASBOT

A.5-20

CARCON QUALITY



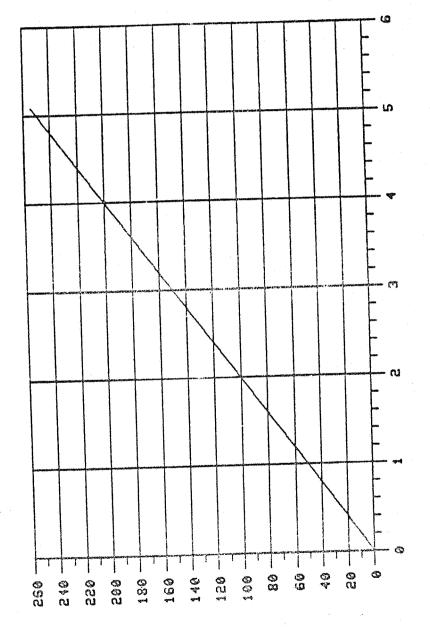
ENGINEERING UNITS - VOLTS

トローロミロトの くりつだトの

COUNTS US ENGINEERING UNITS FOR NEASEOT

Appendix A June 1982

ORIGINAL IS IS OF POOR QUALITY

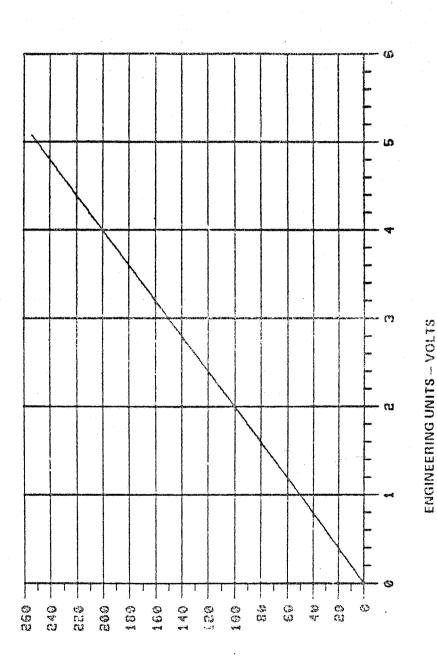


PUPUEMPED CODEFO

COUNTS US ENGINEERING UNITS FOR NEMTRI

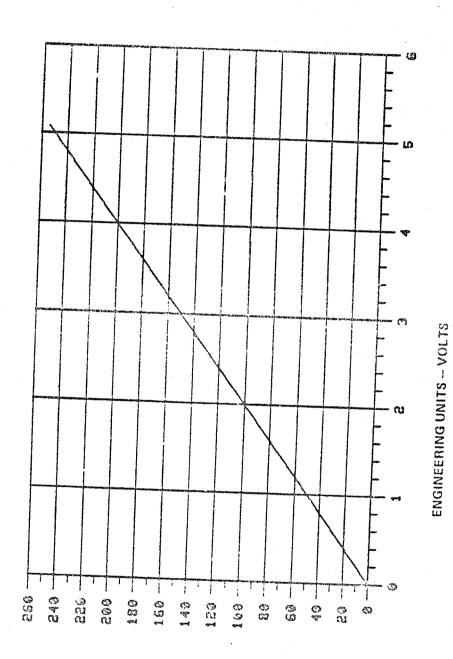
ENGINEERING UNITS - VOLTS

COUNTS US ENGINEERING UNITS FOR NZP1ENC

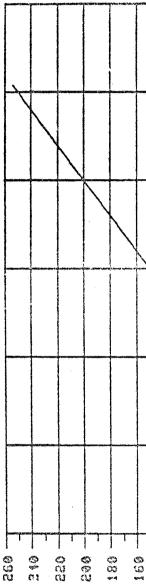


トモードドロトスト 0002下の

COUNTS US ENGINEERING UNITS FOR NAPRENC



トにしにとして くりつごとの



COUNTS US ENGINEERING UNITS FOR NAPSENC

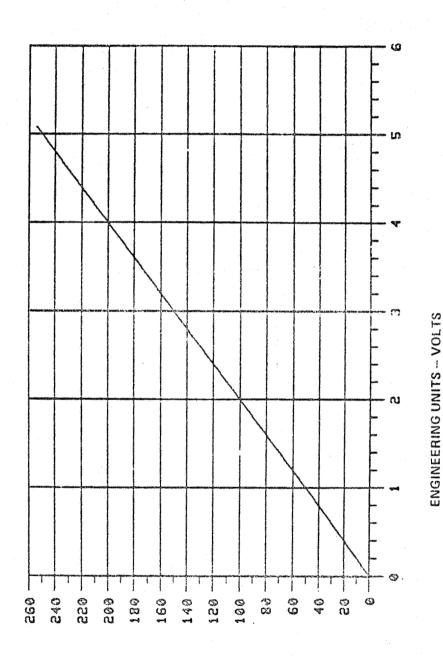
**ENGINEERING UNITS -- VOLTS** 

FULUEUFC> COSTEN

ዱ & ል መ ው ® 0 0 0 9 0 0 0 0

CE POCA CASSA

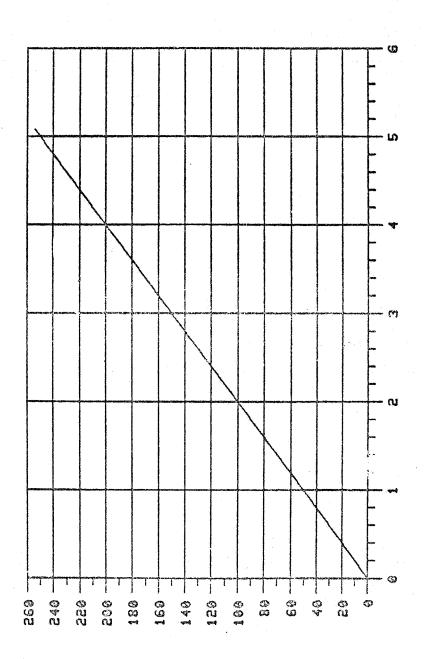
COUNTS US ENGINEERING UNITS FOR NEPREEL



トビュビドロトな> ひつつだとの

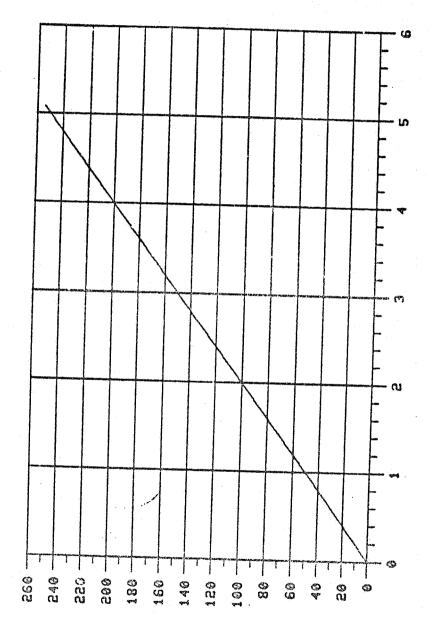
ENGINEERING UNITS - VOLTS

COUNTS US ENGINEERING UNITS FOR NEPTACH



トミーミドミース> くりしれてら

ORIGINAL PAGE IS OF POOR QUALITY

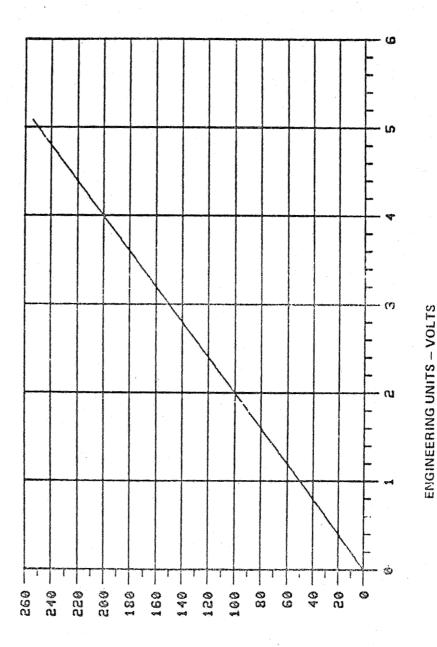


ENGINEERING UNITS - VOLTS

HULLUEUHAS CODZEG

COUNTS US ENGINEERING UNITS FOR NZPURSU

ONICHAL PARE IN DE POOR QUALITY

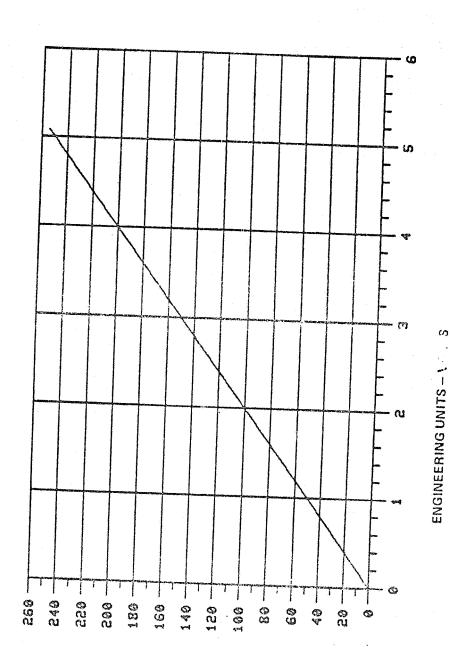


トミしこれにしなり くりひれてら

COUNTS US ENGINEERING UNITS FOR NESIENC

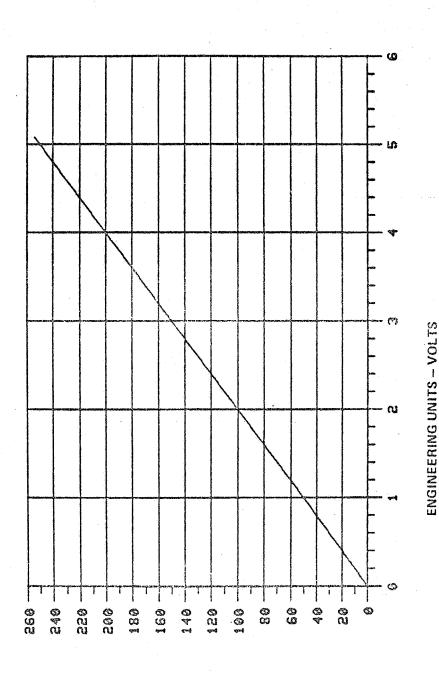
A.5-29

COUNTS US ENGINEERING UNITS FOR NESZENC



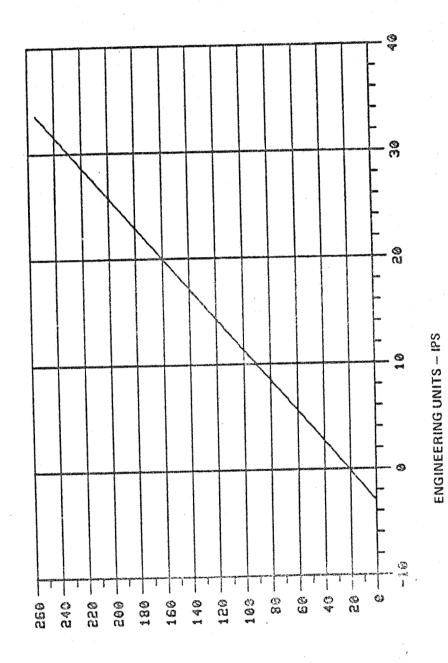
HELENTAY COUSTO

COUNTS US ENGINEERING UNITS FOR N2S3ENC



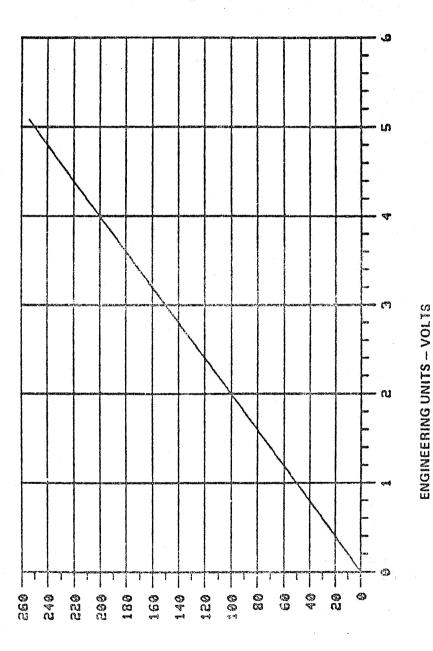
HUJUEUPC> CODEFO

ORIGINAL PAGE IS OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR NZSPEED

OF FOOR CHARMA

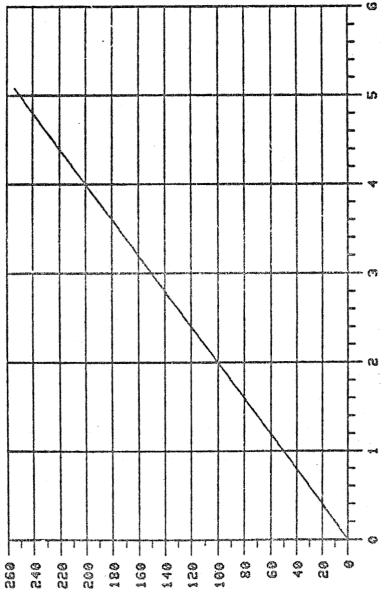


-WIMEM-K> CODEHO

COUNTS US ENGINEERING UNITS FOR N2SREEL

ENGINEERING UNITS - VOLTS

COUNTS US ENGINEERING UNITS FOR NZSTACH

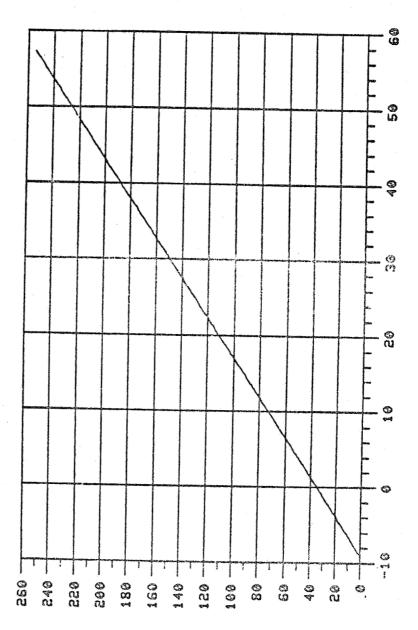


ORIGINAL PAGE IS OF POOR QUALITY

PHIMEMPRY CODEPA

A.5 34

OF FOOR QUALITY



PHIMEMPED CODEPO

COUNTS US ENGINEERING UNITS FOR NZSUERR

A.5-35

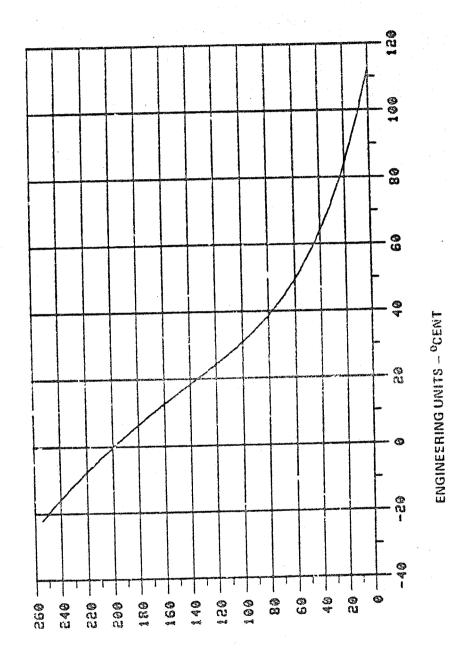
ENGINEERING UNITS - IPS

## ORIGINAL PAGE IS OF POOR QUALITY

```
DEFINE MISSROM,N1EUTMP..1121E+3,-.1663E+1,.1348E-1,-.6271E-4..1396E-6,-.1278E-9
DEFINE MISSROM.N1PBV2.0.02
DEFINE MISSROM, NIPBV7, 0, 02
DEFINE MISSROM.N1PBV5.0.02
DEFINE MISSROM.NIPBV3.0.02
DEFINE MISSROM.NIPBV8.0..02
DEFINE MISSROM, N1PBV4,0,.02
DEFINE MISSROM.N1PBV5.0.02
DEFINE MISSROM, NIPBV1.0.02
DEFINE MISSROM.N1PSN6.-.8246E+1..1821E-1..6336E-4.-.8009E-6..4034E-8.-.6875E-11
DEFINE MISSROM, N1PSN12,-.133E+2,.2024E-1,-.1251E-4,.2232E-6,-.15305E-8,.328E-11
DEFINE MISSROM-N1PSP15 .0.0.086
DEFINE MISSROM.N1PSP12 .0.0.08
                        000004
DEFINE MISSROM NIPSP5
DEFINE MISSROM.NIRECI .0.3.0
DEFINE MISSROM.NITUPSI .0.0.107
DEFINE MISSROM.N1TUTMP.:1121E+3.~.1563E+1.:1349E-1.-.6271E+4.:1396E-5:-.1278E-9
DEFINE MISSROM.N2EUTMP..1121E+3...1663E+1..1348E-1..6271E-4..1396E-6.-1278E-9
DEFINE MISSROM, N2PBV6, 0, . 02
DEFINE MISSROM N2PBV4 . 0 . . C2
DEFINE MISSROM.N2PBV3.0.02
DEFINE MISSROP N2PBV1,0.02
DEFINE MISSROM.N2PBV2.0..02
DEFINE MISSROM.N2PBV8.0.02
DEFINE MISSROM.N2PBV7.0..02
DEFINE MISSROM, N2PBV5, 0, .02
DEFINE MISSROM. N2PSN6. -- 8246E+1. 1822E-1. 6335E-4. -- 801E-6. 403E-8. -- 6875E-11
DEFINE MISSROM+N2PSN12,-.133E+2+.2023E-1,-.125E-4+.2232E-6+.153E-8+.3284E-11
DEFINE MISSROM.N2PSP12.0.0.0.38
DEFINE MISSROM.N2PSP5 .0.0.04
DEFINE MISSROM.N2PSP15.0.0.086
DEFINE MISSROM, N2RECI , 0.3.0
DEFINE MISSROM.N2TUPSI.0.0.0.0.107
DEFINE MISSROM, N2TUTMP. . 1121E+3, -. 1663E+1, . 1349E-1, -. 6271E-4, . 1396E-5, -. 1278E-9
```

A == == Z

CE POOR QUALITY

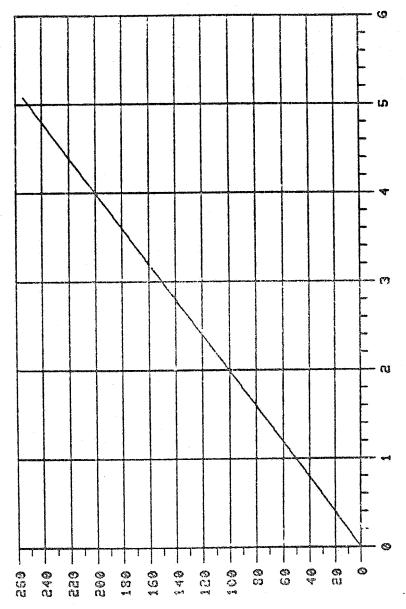


トモレア的として くりしだすら

COUNTS US ENGINEERING UNITS FOR MIEUTMP

ORIGINAL PAGE IS OF POOR QUALITY

COUNTS US ENGINEERING UNITS FOR NIPBUI



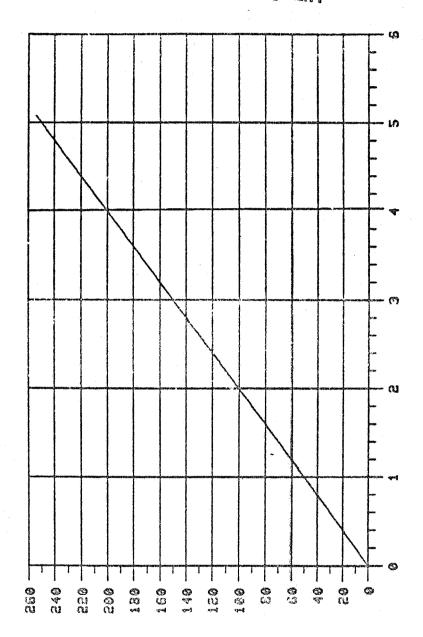
ENGINEERING UNITS - VOLTS

MUSUFED COUZEN

ENGINEERING UNITS - VOLTS

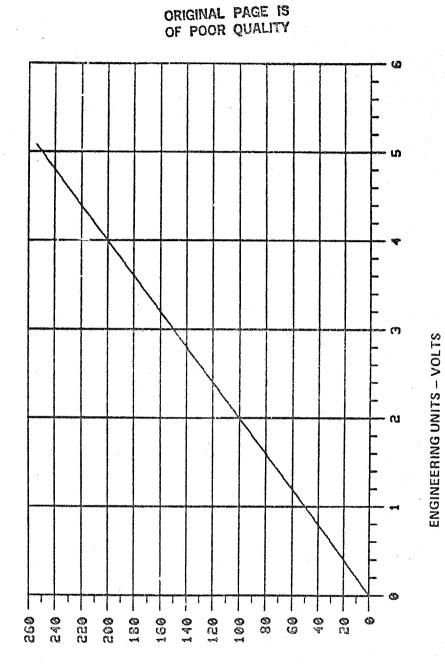
COUNTS US ENGINEERING UNITS FOR NIPBUZ

CRIGINAL PAGE IS OF POOR QUALITY



HUJUEUHES COSZHO

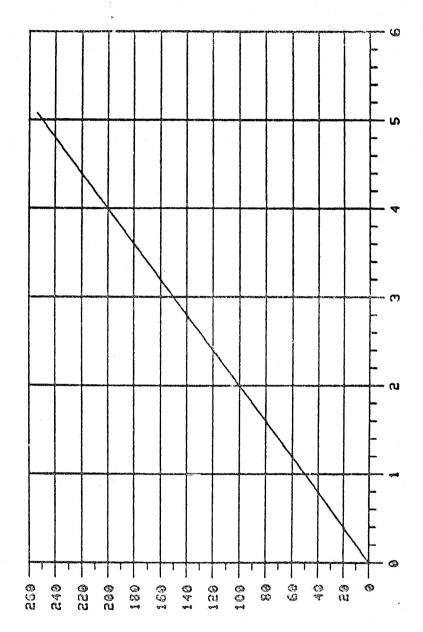
COUNTS US ENGINEERING UNITS FOR NIPBUS



HUJUEUHES CODZEG

COUNTS US ENGINEERING UNITS FOR NIPBU4

ORIGINAL PAGE IS OF POOR QUALITY

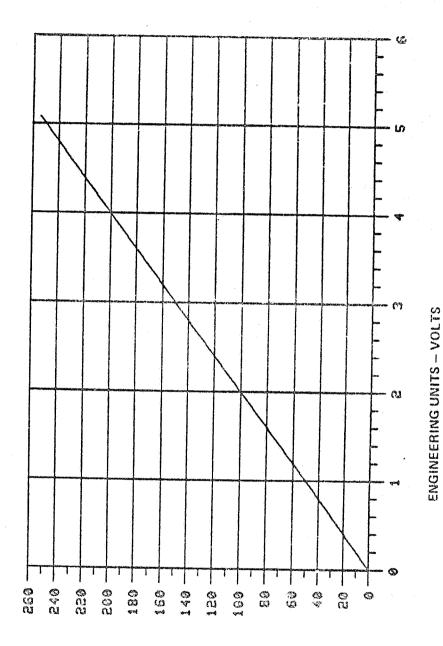


ENGINEERING UNITS - VOLTS

HUJUEUPES CODEFO

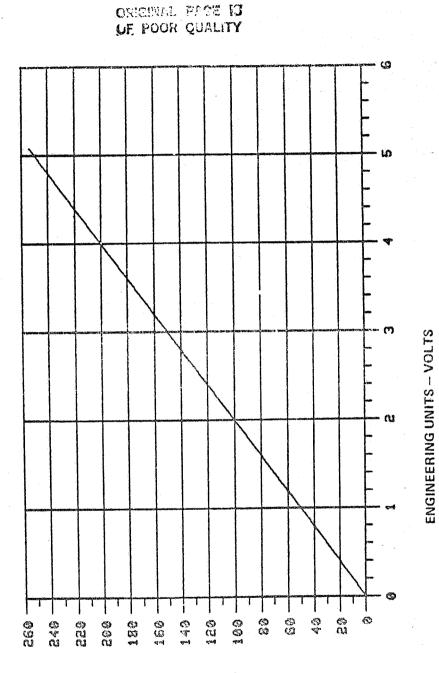
COUNTS US ENGINEERING UNITS FOR NIPBUS

ORIGINAL PAGE IS OF POOR QUALITY



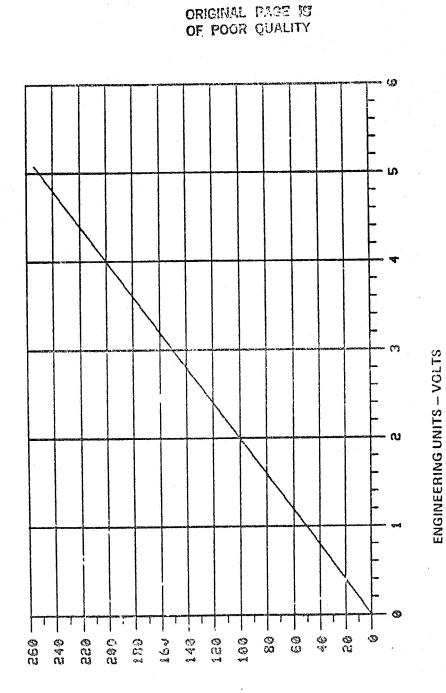
PHUMEMPR> CODEPU

COUNTS US ENGINEERING UNITS FOR NIPBUG



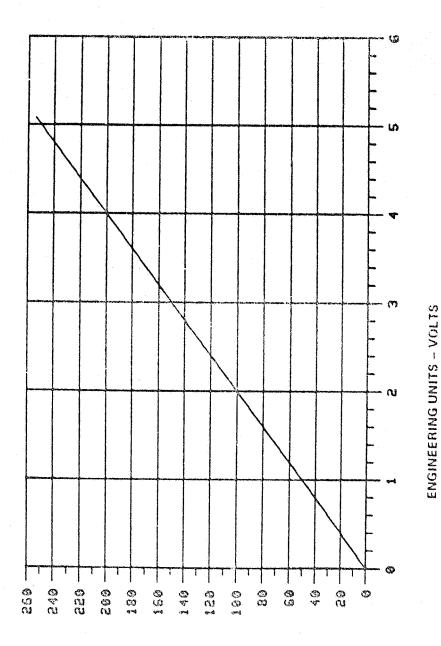
トミしにとし くりしだけの

COUNTS US ENGINEERING UNITS FOR NIPBUT



**下足し足所を下皮と くりひだすら** 

ONICHAEL PAGE IS OF POOR QUALITY

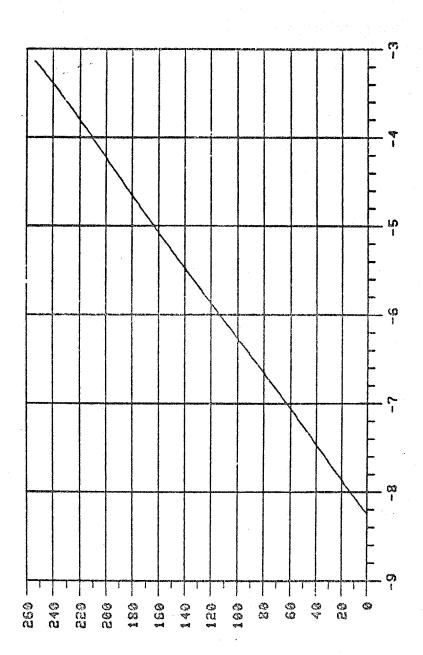


トピーにと くりつまとの

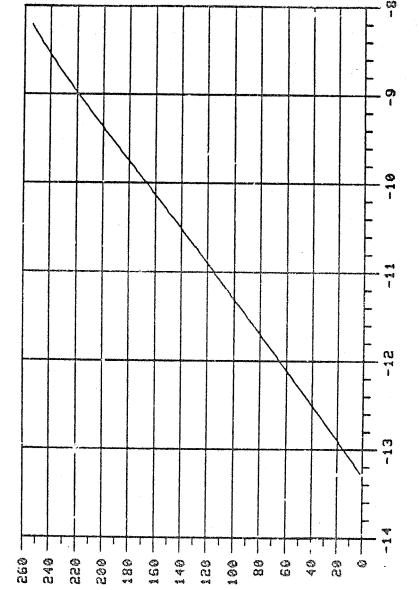
ENGINEERING UNITS - VOLTS

COUNTS US ENGINEERING UNITS FOR NIPSNG

ORIGINAL PAGE IS OF POOR QUALITY



HUJUENHA> OODZHU



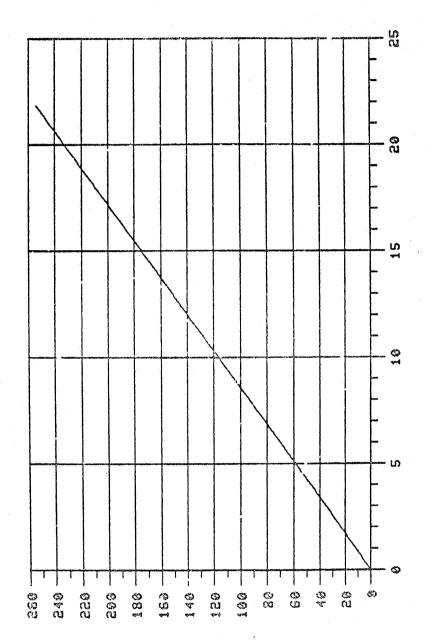
HUJUEUFG> CODEFG

COUNTS US ENGINEERING UNITS FOR NIPSNIZ

ENGINEERING UNITS - VOLTS

COUNTS US ENGINEERING UNITS FOR NIPSPIS

ORIGINAL PAGE IS OF POOR QUALITY

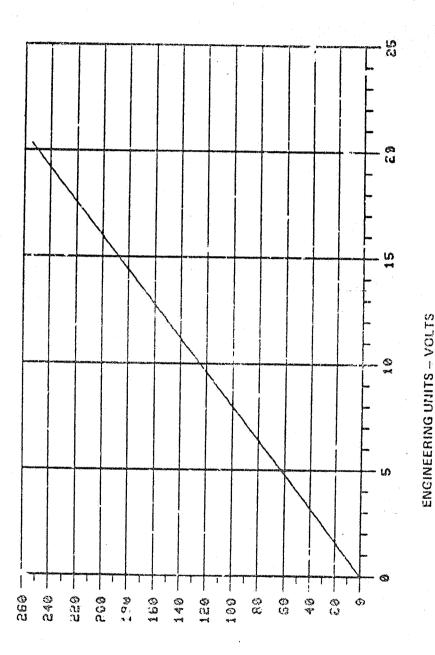


**ENGINEERING UNITS - VOLTS** 

PERSON CODEFO

CCUNTS US ENGINEERING UNITS FOR NIPSP12

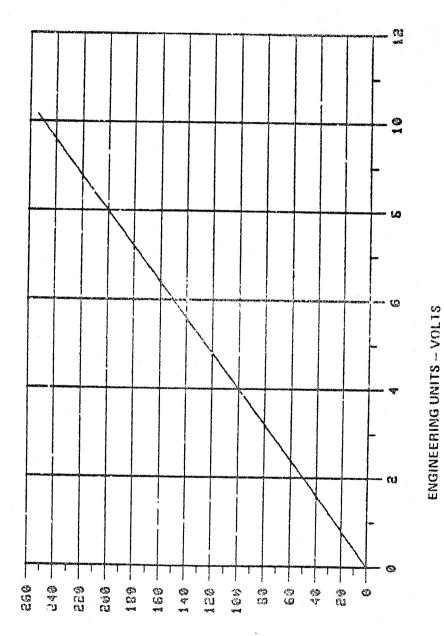
ORIGINAL PAGE IS OF POOR QUALITY



トミーに くりしだけら

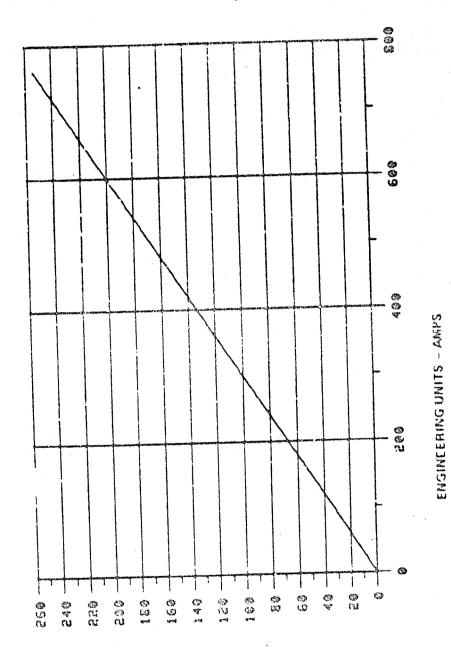
COUNTS US ENGINEERING UNITS FOR NIPSPS

ORIGINAL PAGE IS OF POOR QUALITY



SANCOS CRAMARICMA

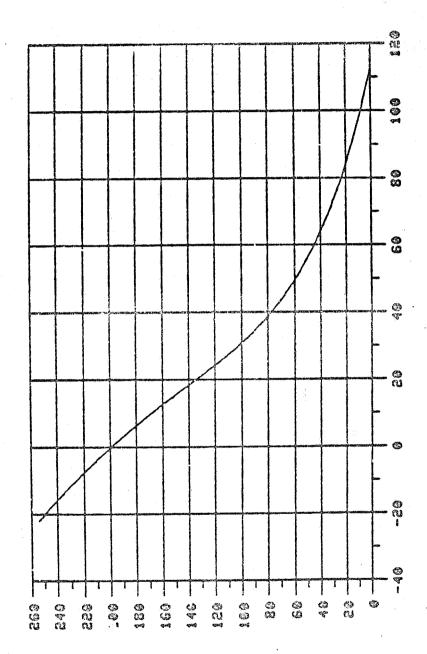
ORIGINAL PACE IS OF POOR QUALITY



いつコミトの TE LE M F M F M F

COUNTS US ENGINEERING UNITS FOR MIRECI

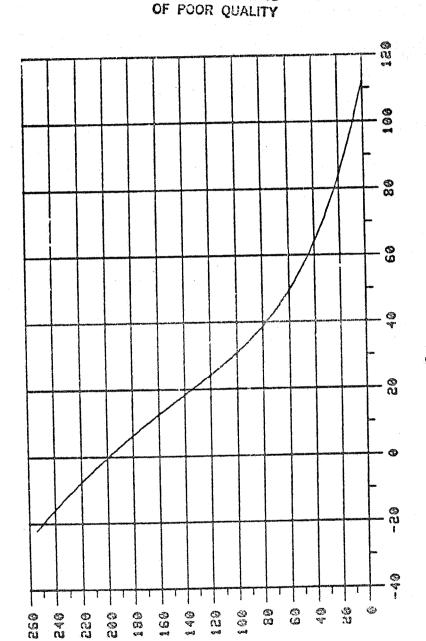
COUNTS US ENGINEERING UNITS FOR NITUTAP



ENGINEERING UNITS - OCENT

トローロエロトは> いっコメトの

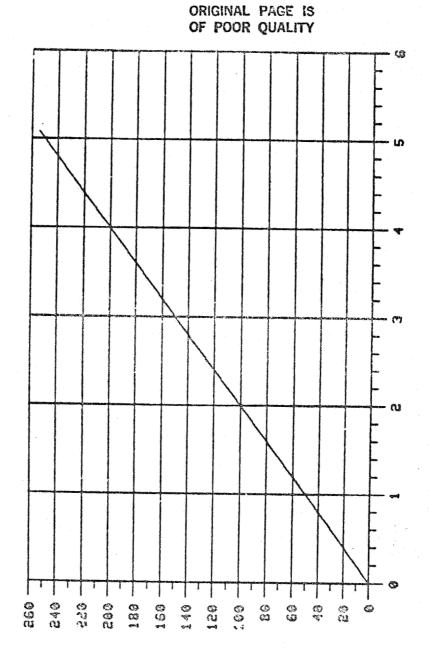
COUNTS US ENGINEERING UNITS FOR NZEUTHP



ORIGINAL PAGE IS

ENGINEERING UNITS - OCENT

FULUEWERY CODZEG

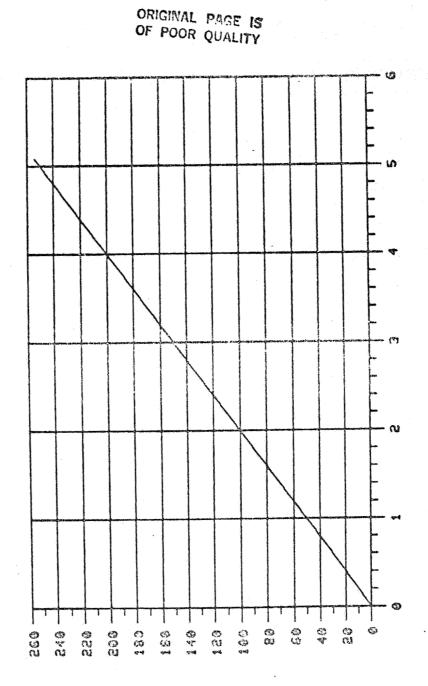


ENGINEERING UNITS - VOLTS

FW-WEWFRY CODEFU

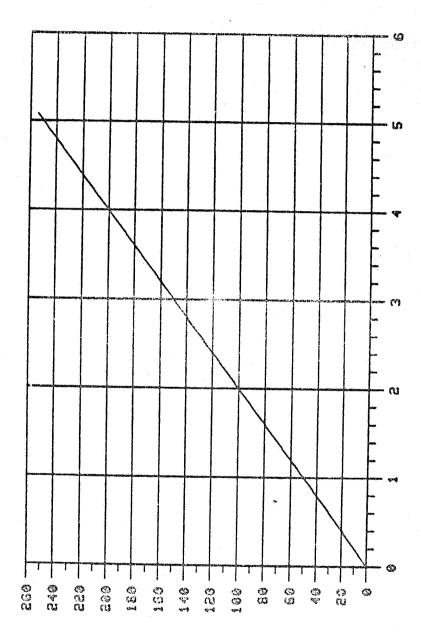
ENGINEERING UNITS - VOLTS

COUNTS US ENGINEERING UNITS FOR NEPBUR



WHICOO KNAMINEWA

ORIGINAL PAGE IS OF POOR QUALITY

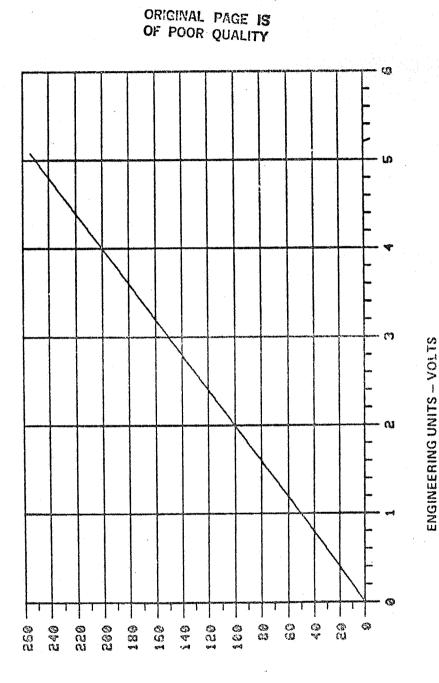


ENGINEERING UNITS - VOLTS

HUJUEUFE> CODEFO

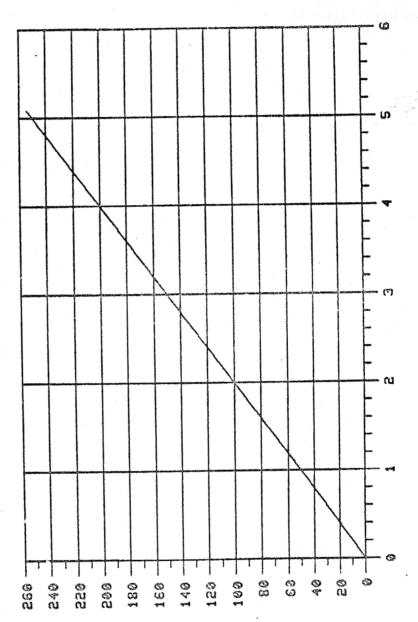
COUNTS US ENGINEERING UNITS FOR NZPBU3

COUNTS US ENGINEERING UNITS FOR NZPBU4



-MUMEMPRY CODZEN

ORIGINAL PAGE IS OF POOR QUALITY

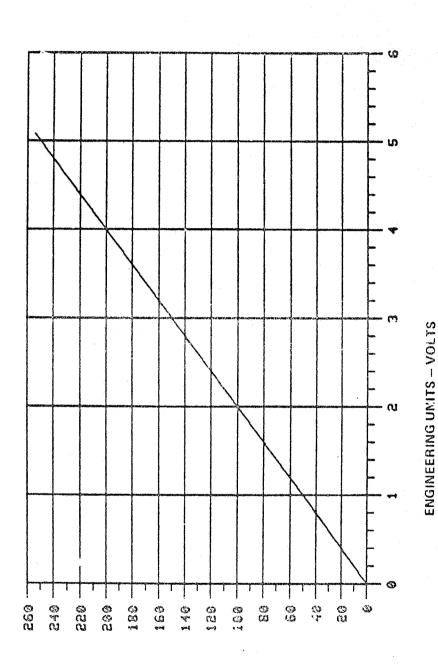


ENGINEERING UNITS - VOLTS

**トモレロ所用 トスソ このコメナタ** 

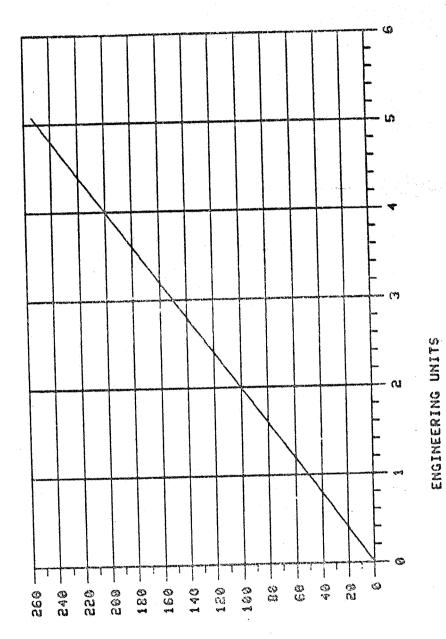
Ş.

COUNTS US ENGINEERING UNITS FOR NEPBUS



トモーミにとてなり いつりドトラ

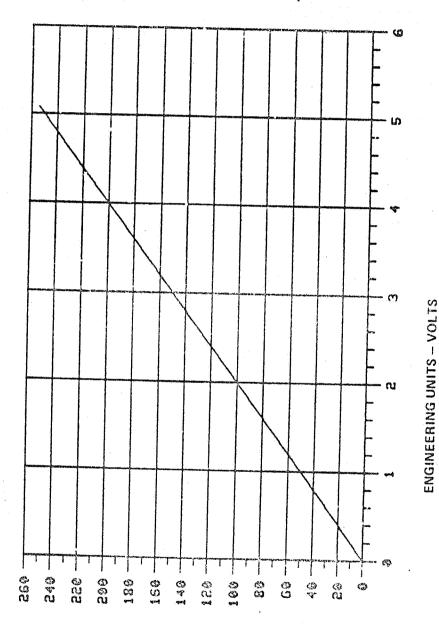
ORIGINAL PAGE IS OF POOR QUALITY



トビール こうしょく こうしょう

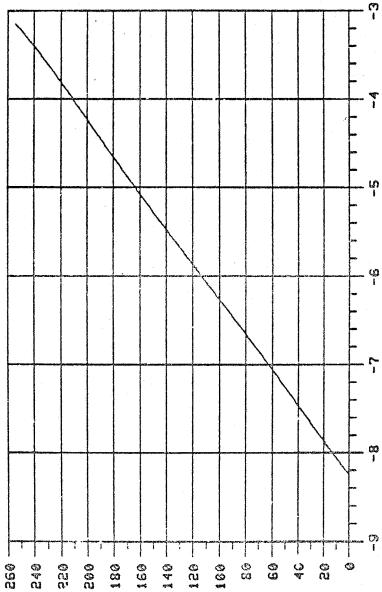
COUNTS US ENGINEERING UNITS FOR N2PBUT

ORIGINAL PAGE IS OF POOR QUALITY



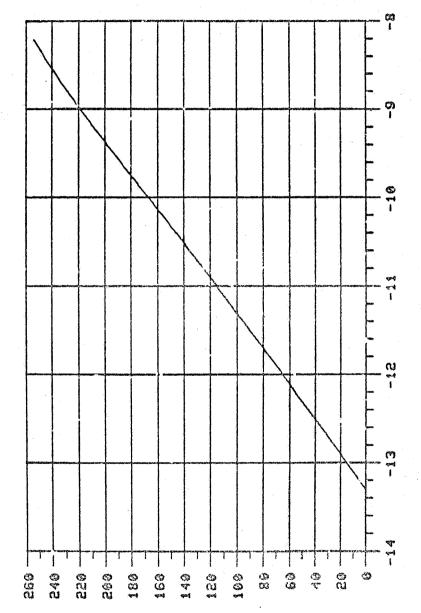
PHUMENPRY CODEPO

COUNTS US ENGINEERING UNITS FOR NEPSN6



ENGINEERING UNITS - VOLTS

トミーミミュース> いりコエトの

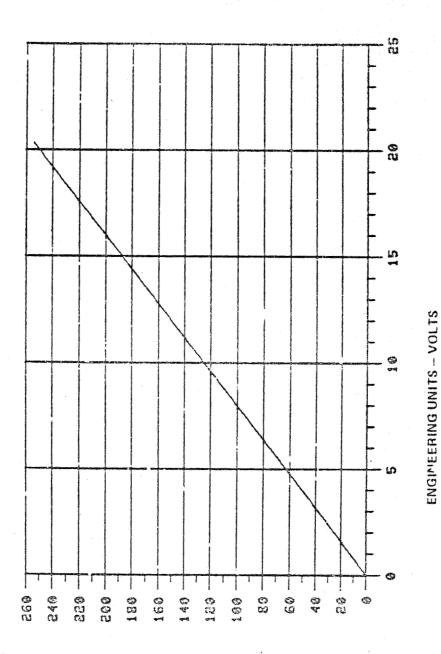


ENGINEERING UNITS - VOLTS

トピーにと いりコストの

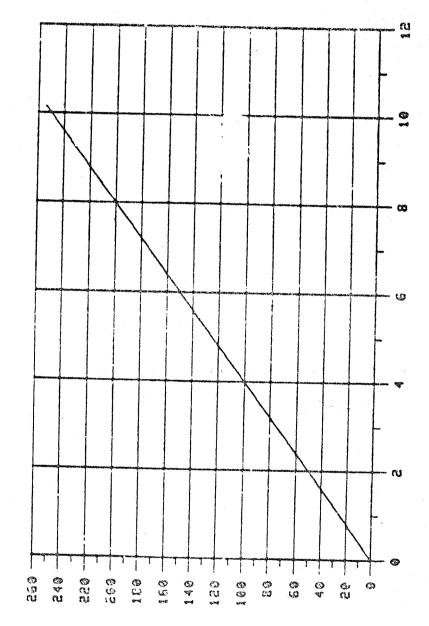
COUNTS US ENGINEERING UNITS FOR NZPSN12

ORIGINAL PAGE IS OF POOR QUALITY



-M-MEM-G> CODEHO

OF POOR QUALITY



ENGINEERING UNITS - VOLTS

PHIMEMPED CODERN

ENGINEERING UNITS - VOLTS

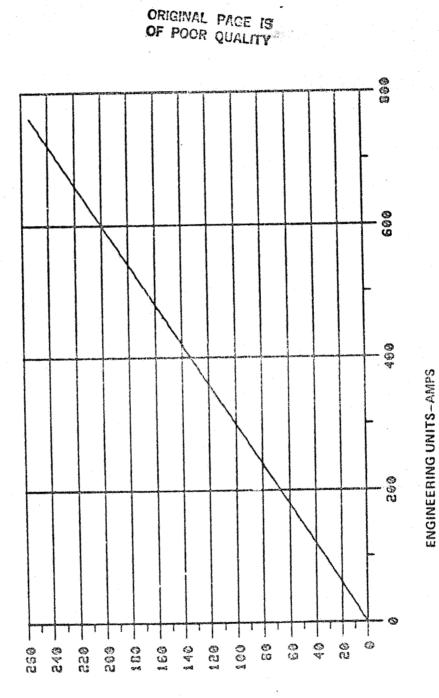
COUNTS US ENGINEERING UNITS FOR NEPSPIS

0 GS CCJ C) 

ORIGINAL PAGE IS OF POOR QUALITY

HULUEUPED CODEHO

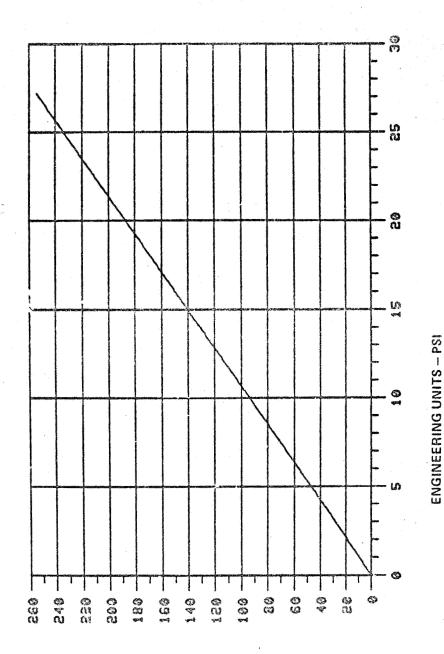
COUNTS US ENGINEERING UNITS FOR NERECI



HUJUEUHED CODEHO

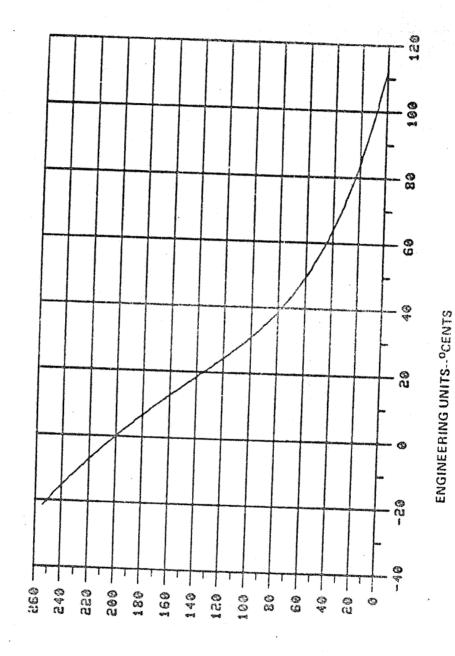
COUNTS US ENGINEERING UNITS FOR NETUPSI

ORIGINAL PAGE IS OF POOR QUALITY



**トビュビアトスト いりつだ F の** 

ORIGINAL PAGE IS OF FOOR QUALITY



FULUEUFE> CODEFO

COUNTS US ENGINEERING UNITS FOR NZTUTHP

#### APPENDIX A.6

### ON-BOARD COMPUTER (OBC) TELEMETRY CALIBRATION DATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

```
* 0 B C
        CONTRIBUTION TO TELEMETRY*
*CALIBRATION DEFINITION FILE
  CREATED: 29-APR-82 AT 14:13:44
     FROM: DBO: [RICH. MAST] TELEMETRY. MAS; 18
      OF:29-APR-1982 14:05:04.03
OBC
           REPORT: ACS201 -ACS
            ,0.0,8.33763E-10
,0.0,8.33763E-10
                          ;UNITS: RADIAN DSP: DEGREE MX:1.79049E+00 #1
DEFINE OTHETAX
                                              MX:1.79049E+00 #2
MX:1.79049E+00 #3
                          ;UNITS: RADI AN DSP: DEGREE
DEFINE OTHETAY
                          ;UNITS: RADIAN DSP: DEGREE
DEFINE OTHETAZ
            ,0.0,8.33763E-10
                                              11X:1.67772E+07 #4
DEFINE ONGX
            ,0.0,7.81250E-03
                          :UNITS:COUNTS DSP:COUNTS
                          ;UNITS: COUNTS DSP: COUNTS MX:1.67772E+07 #5
            ,0.0,7.81250E-03
,0.0,7.81250E-03
DEFINE ONGY
DEFINE ONGZ
                          ;UMITS:COUNTS DSP:COUNTS MX:1.67772E+07 #6
```

WWP-0068L

LSD-WPC-263

```
ORIGINAL PAGE IS
                                                                         SVS-10266/3A
                                     OF POOR QUALITY
                                                                           Appendix A
                                                          MX:1.67772E+07 #7 June 1982
                                 :UNITS:COUNTS DSP:COUNTS
               ,0.0,7.8°250E-03
DEFINE ONGXF
                                 ;UNITS:COUNTS CSP:COUNTS
                                                          MX:1.67772E+07 #8
                ,0.0,7.81250E-03
DEFINE ONGYF
               ,0.0,7.81250E-03
                                 :UNITO:COUNTS D.SP&COUNTS
                                                          MX:1.67772E+07 #9
DEFINE ONGZF
, #
       0 B C
              REPORT: ACS#02 -ACS
 ,0.0,8.33763E-10
                                 ;UNITS: RAD/CY DSP: DEG/CY
                                                          MX:1.79049E+00 #10
DEFINE OWGX
                ,0.0,8.33763E-10
                                 ;UNITS: RAD/CY DSP: DEG/CY
                                                          /X:1.79049E+00 #11
DEFINE OWGY
DEFINE OWGZ
                ,0.0,8.33763E-10
                                 ;UNITS: RAD/CY DSP: DEG/CY
                                                          MX:1.79049E+00 #12
                ,0.0,8.33763E-10
                                 ;UNITS: RAD/SE DSP: DEG/SE
DEFINE OWX
                                                          MX:1.79049E+00 #13
DEFINE OWY
                ,0.0,8.33763E-10
                                                          MX:1.79049E+00 #14
                                 :UNITS: RAD/SE DSP: DEG/SE
                ,0.0,8.33763E-10
                                 ;UNITS: RAD/SE DSP: DEG/SE
DEFINE OWZ
                                                          /X:1.79049E+00 #15
DEFINE OEX
                ,0.0,1.06722E-07
                                 :UNITS: RADIAN DSP: DEGREE
                                                          MX:2.29183E+02 #16
                ,0.0,1.06722E-07
                                                          MX:2.29183E+02 #17
DEFINE OEY
                                 :UNITS: RADIAN DSP: DEGREE
                                                          MX:2.29183E+02 #18
                .0.0.1.06722E-07
                                 :UNITS: RADIAN DSP: DEGREE
DEFINE OEZ
               ,0.0,9.31323E-10
                                               DSP: N.D.
                                                          MX:2.00000E+00 #19
DEFINE OEPAT
                                 ;UNITS:N.D.
               ,0.0,9.31323E-10
                                                          MX:2.00000E+00 #20
DEFINE OEPA2
                                 ;UNITS: N.D.
                                               DSP: N.D.
                ,0.0,9.31323E-10
                                               DSP: N.D.
DEFINE OEPA3
                                 :UNITS:N.D.
                                                          1X:2.00000E+00 #21
DEFINE OEPA4
                ,0.0,9.31323E-10
                                 ;UNITS: N.D.
                                               DSP: N.D.
                                                          MX:2.00000E+00 #22
 *************************************
       OBC
               REPORT: ACS%03 -ACS
DEFINE OEPDI
                ,0.0,9.31323E-10
                                 ;UNITS: N.D.
                                               DSP: N.D.
                                                          MX:2.00000E+00 #23
                ,0.0,9.31323E-10
                                                          MX:2.00000E+00 #24
DEFINE OEP D2
                                 ;UNITS: N.D.
                                               DSP: N.D.
                                                          MX:2.00000E+00 #25
                                 ;UNITS: N.D.
DEFINE OEPD3
                ,0.0,9.31323E-10
                                               DSP: N.D.
                                               DSP: N.D.
                                                           MX:2.00000E+00 #26
DEFINE OEPD4
                .0.0,9.31323E-10
                                 ;UNITS: N.D.
                                               DSP: N.D.
                                                           MX:2.00000E+00 #27
DEFINE OEPCI
                ,0.0,9.31323E-10
                                 :UNITS: N.D.
                ,0.0,9.31323E-10
                                               DSP: N.D.
                                                           MX:2.00000E+00 #28
                                 :UNITS: N.D.
DEFINE OEP C2
                                               DSP: N.D.
                                                           MX:2.00000E+00 #29
DEFINE OEPC3
                ,0.0,9.31323E-10
                                 :UNITS: N.D.
                ,0.0,9.31323E-10
DEFINE OEPC4
                                 ;UNITS: N.D.
                                               DSP: N.D.
                                                           MX:2.00000E+00 #30
                ,0.0,7.45058E-09
                                  :UNITS: RAD*SE DSP: RAD*SE
                                                           MX:1.60000E+01 #31
DEFINE OEIX
                                 ;UNITS: RAD*SE DSP: RAD*SE
                                                           1X:1.60000E+01 #32
DEFINE OEIY
                ,0.0,7.45058E-09
 REPORT: ACS204 -ACS*
       0 B C
                ,0.0,7.45058E-09
                                  :UNITS: RAD*SE DSP: RAD*SE
                                                          MX:1.60000E+01 #33
DEFINE OEIZ
                                 ;UNITS: RSEC*2 DSP: RSEC*2
                                                           MX:5.12000E+02 #34
                ,0.0,2.33419E-07
DEFINE OEDIX
                                  ;UNITS:RSEC*2 DSP:RSEC*2
                ,0.0,2.38419E-07
                                                           MX:5.12000E+02 #35
DEFINE OFDIY
                                  ;UNITS:RSEC*2 DSP:RSEC*2
                                                           1X:5.12000E+02 #36
                ,0.0,2.38419E-07
DEFINE OEDIZ
                                                           MX:2.00000E+00 #37
                ,0.0,9.31323E-10
                                               DSP: N.D.
DEFINE OTWX
                                  :UNITS: N.D.
                                               DSP: N.D.
                ,0.0,9.31323E-10
                                                           1X:2.00000E+00 #38
                                  ;UNITS: N.D.
DEFINE OTLY
                                               DSP:N.D.
                                                           MX:2.00000E+00 #39
                ,0.0,9.31323E-10
                                  :UNITS: N.D.
DEFINE OTWZ
```

;UNITS: RAD/SE DSP: DEG/SE

.0.0,1.66753E-09

DEFINE OVEX

MX:3.58099E+00 #40

```
ORIGINAL PAGE IS
                                   OF POOR QUALITY
                                                                        SVS-10266/3A
                                                                          Appendix A
DEFINE OWEY
                                                         MX:3.58099E+00 #41 June 1982
               ,0.0,1.6675Œ-09
                                :UNITS: RAD/SE DSP: DEG/SE
DEFINE OWEZ
               ,0.0,1.66753E-09
                                ;UNITS: RAD/SE DSP: DEG/SE
                                                         MX:3.58099E+00 #42
DEFINE OTTX
                                UNITS: RADIAN DSP: DEGREE
               ,0.0,5.33609E-08
                                                         MX:1.14592E+02 #43
DEFINE OTTY
               ,0.0,5.33609E-08
                                ;UNITS: PADIAN DSP: DEGREE
                                                         MX:1.14592E+02 #44
DEFINE OTTZ
               ,0.0,5.33609E-08
                                ;UNITS: RADIAN DSP: DEGREE
                                                         MX:1.14592E+02 #45
DEFINE OBLASY
               ,0.0,1.66753E-09
                                                         MX:3.58099E+00 #46
                                :UNITS: RADIAN DSP: DEGREE
DEFINE OBLASZ
               ,0.0,1.66753E-09
                                ;UNITS: RADIAN DSP: DEGREE
                                                         MX:3.58099E+00 #47
**********************************
; *
      OBC
              REPORT: ACS205 -ACS
*************
                                                        MX:1.14592E+02 #48
                                ;UNITS: RADIAN DSP: DEGREE
DEFINE OEXIC
               ,0.0,5.33609E-08
DEFINE OEYIC
               ,0.0,5.33609E-08
                                ;UNITS: RADIAN DSP: DEGREE
                                                         MX:1.14592E+02 #49
                                                         MX:1.14592E+02 #50
DEFINE OEX2C
               ,0.0,5.33609E-08
                                ;UNITS: RADIAN DSP: DEGREE
DEFINE OEY2C
               ,0.0,5.33609E-08
                                ;UNITS: RADIAN DSP: DEGREE
                                                         MX:1.14592E+02 #51
               ,0.0,3.33505E-09
DEFINE OEXIF
                                :UNITS: RADIAN DSP: DEGREE
                                                         MX:7.16197E+00 #52
DEFINE OEYIF
               ,0.0,3.33505E-09
                                :UNITS: RADI AN DSP: DEGREE
                                                         NX:7.16197E+00 #53
               ,0.0,3.33505E-09
DEFINE OEX2F
                                :UNITS: RADIAN DSP: DEGREE
                                                         MX:7.16197E+00 #54
DEFINE OEY2F
               ,0.0,3.33505E-09
                                :UNITS: RADIAN DSP: DEGREE
                                                         14X:7.16197E+00 #55
                                             DSP:DEG/S*2
DEFINE ODELTNA
                                                        MX:8.95247E-01 #56
               ,0.0,4.16882E-10
                                :UNITS: R/S*2
               ,0.0,4.16882E-10
                                :UNITS:R/S*Z
DEFINE ODELTNE
                                             DSP: DEG/S*2 MX: 8.95247E-01 #57
DEFINE OXPC
               ,0.0,4.65661E-10
                                             DSP: N.D.
                                :UNITS: N.D.
                                                         MX:1.00000E+00 #58
DEFINE OYPC
               .0.0,4.65661F-10
                                :UNITS:N.D.
                                              DSP: N.D.
                                                         IX:1.00000E+00 #59
DEFINE OTWS
               ,0.0,9.31323E-10
                                             DSP: N.D.
                                                         MX:2.00000E+00 #60
                                ;UNITS: N.D.
 ****************
; *
      OBC
              REPORT: ACS $206 -ACS
;*
,0.0,1.19209E-07
DEFINE OSYSMOX
                                ;UNITS: NMSEC
                                             DSP: NMSEC
                                                         MX:2.56000E+02 #61
               ,0.0,1.19209E-07
DEFINE OSYSPL
                                :UNITS:NMSEC
                                             DSP: NMSEC
                                                         MX:2.56000E+02 #62
               ,0.0,1.19209E-07
DEFINE OSYSMOZ
                                :UNITS: NMSEC
                                             DSP: NM SEC
                                                         MX:2.56000E+02 #63
               ,0.0,4.88281E-04
DEFINE ONOMS
                                ;UNITS: MSEC
                                             DSP: MSEC
                                                         MX:1.04858E+06 #64
               ,0.0,7.45058E-09
DEFINE OELXIL
                                :UNITS: NM SEC
                                             DSP: IMSEC
                                                         MX:1.60000E+01 #65
               ,0.0,9.31323E-10
                                             DSP: NMSEC
DEFINE OTHIC
                                ;UNITS: NMSEC
                                                         MX:2.00000E+00 #66
               ,0.0,7.45058E-09
                                                         MX:1.60000E+01 #67
DEFINE OELYIL
                                             DSP: NMSEC
                                ;UNITS: MMSEC
               ,0.0,9.31323E-10
DEFINE OTWYC
                                :UNITS:NMSEC
                                             DSP: NMSEC
                                                         1X:2.00000E+00 #68
               ,0.0,7.45058E-09
                                :UNITS: NMSEC
DEFINE OELZIL
                                             DSP: NM SEC
                                                         MX:1.60000E+01 #69
DEFINE OTWZC
               ,0.0,9.31323E-10
                                ;UNITS: NMSEC
                                             DSP: NMSEC
                                                         MX:2.00000E+00 #70
;*
**
      OBC
              REPORT: ACS%07 -ACS*
; X
,0.0,1.86265E-09
DEFINE OPT
                                :UNITS: N.D.
                                             DSP: N.D.
                                                         MX:4.00000E+00 #71
               ,0.0,1.86265E-09
DEFINE OP 2
                                :UNITS:N.D.
                                             DSP: N.D.
                                                         MX:4.00000E+00 #72
               ,0.0,1.86265E-09
DEFINE OP3
                                ;UNITS: N.D.
                                             DSP: N.D.
                                                         MX:4.00000E+00 #73
               ,0.0,8.33763E-10
DEFINE OWXC
                                :UNITS: RAD/SE DSP: DEG/SE
                                                         IX:1.79049E+00 #74
               ,0.0,8.33763E-10
DEFINE OWYC
                                :UNITS: RAD/SE DSP: DEG/SE
                                                         MX:1.79049E+00 #75
               .0.0,8.33763E-10
```

MX:1.79049E+00 #76

MX:2.56000E+02 #77

.0.0.1.19209E-07

;UNITS:RAD/SE DSP:DEG/SE

:UNITS: MMSEC DSP: MMSEC

DEFINE ONZC

DEFINE OPX

SVS-10266/3A Appendix A June 1982

```
DEFINE OPY
                ,0.0,1.19209E-07
                                 ;UNITS: NMSEC
                                               DSP: NM SEC
                                                           MX:2.56000E+02 #78
                ,0.0,1.19209E-07
                                               DSP: NMSEC
                                                           MX:2.56000E+02 #79
DEFINE OPZ
                                 ;UNITS: NITSEC
                                                           MX:1.04858E+06 #80
DEFINE ONOMS2
                ,0.0,4.88281E-04
                                 ;UNITS:MSEC
                                               DSP:MSEC
DEFINE OTACS
                ,0.0,6.10352E-05
                                               DSP: N.A.
                                                           MX:1.31072E+05 #81
                                 :UNITS: N.A.
                                 :UNITS:COUNTS DSP:COUNTS
DEFINE OWGXDI
                ,0.0,6.10352E-05
                                                           MX:1.31072E+05 #82
                                 ;UNITS:COUNTS DSP:COUNTS
                .0.0.6.10352E-05
                                                           MX:1.31072E+05 #83
DEFINE OWGXD2
                ,0.0,6.10352E-05
                                 :UNITS:COUNTS DSP:COUNTS
                                                           MX:1.31072E+05 #84
DEFINE OVGYD!
DEFINE OWGYD2
                .0.0,6.10352E-05
                                 ;UNITS:COUNTS DSP:COUNTS
                                                           MX:1.31072E+05 #85
                ,0.0,6.10352E-05
                                                           MX:1.31072E+05 #86
DEFINE ONGZDI
                                 :UNITS:COUNTS DSP:COUNTS
DEFINE OWGZD2
                ,0.0,6.10352E-05
                                 ;UNITS:COUNTS DSP:COUNTS
                                                           MX:1.31072E+05 #87
 **
;*
            REPORT: ACS%08 -ACS*
**
****************
DEFINE OTIMUNLX ,0.0,5.96046E-08 ;UNITS: SECOND DSP: SECOND MX:1.28000E+02 #89 DEFINE OTIMUNLZ ,0.0,5.96046E-08 ;UNITS: SECOND DSP: SECOND MX:1.28000E+02 #89 DEFINE OTIMUNLZ ,0.0,5.96046E-08 ;UNITS: SECOND DSP: SECOND MX:1.28000E+02 #90
, **
 *
               REPORT: ACS%09 -ACS*
       OBC
***
 DEFINE OELX
                                 :UHITS: N.D.
                ,0.0,1.86265E-09
                                               DSP: N.D.
                                                           MX:4.00000E+00 #91
                ,0.0,1.86265E-09
                                 ;UNITS: N.D.
DEFINE OELY
                                               DSP:N.D.
                                                           MX:4.00000E+00 #92
                ,0.0,1.86265E-09
                                 ;UNITS: N.D.
                                               DSP: N.O.
                                                           MX:4.0000CE+00 #93
DEFINE OELZ
                ,0.0,4.88281E-04
                                               DSP: MSEC
                                                           MX:1.04858E+06 #94
DEFINE ONOMS3
                                 ;UHITS: MSEC
***
;*
       OBC
               REPGRT: ACS%10 -ACS*
;**
,0.0,1.46560E-09
                                 :UNITS: RAD/CY DSP: ARCS/CY MX:3.14735E+00 #95
DEFINE OTHETBX
                ,0.0,1.46560E-09
                                 ;UNITS: RAD/CY DSP: ARCS/CY MX: 3.14735E+00 #96
DEFINE OTHETBY
                ,0.0,1.46560E-09
                                 ;UNITS: RAD/CY DSP: ARCS/CY MX:3.14735E+00 #97
DEFINE OTHETBZ
DEFINE OHIX
                ,0.0,1.49012E-08
                                 ;UNITS: NH SEC
                                               DSP: NMSEC
                                                           MX:3.20000E+01 #98
                ,0.0,1.49012E-08
                                  ;UNITS: NMSEC
DEFINE CHWY
                                               DSP: NMSEC
                                                           MX:3.20000E+01 #99
                                  ;UNITS: NM SEC
                ,0.0,1.49012E-08
                                               DSP: NIMSEC
                                                           MX:3.20000E+01 #100
DEFINE OHWZ
                                  ;UNITS: NAMSEC
                                                           MX:3.20000E+01 #101
DEFINE OHWS
                ,0.0,1.49012E-08
                                               DSP: NMSEC
                                  ;UNITS: CNTSX
DEFINE ONK
                ,0.0,3.03388E-05
                                               DSP:POLE.CM MX: 6.51520E+04 #102
                                  ;UNITS: CNTSY
DEFINE OMY
                ,0.0,3.03388E-05
                                               DSP:POLE.CM MX: 6.51520E+04 #103
                                  ;UNITS:CNTSZ
DEFINE OMZ
                ,0.0,3.14116E-05
                                               DSP:POLE.CM MX: 6.74560E+04 #104
DEFINE OBEX
                                  ;UNITS:GAUSS
                ,0.0,9.31323E-10
                                               DSP:GAUSS
                                                           MX:2.00000E+00 #105
                                  ;UNITS: GAUSS
DEFINE OBEY
                ,0.0,9.31323E-10
                                               DSP: GAUSS
                                                           IX:2.00000E+00 #105
                ,0.0,9.31323E-10
                                               DSP:GAUSS
                                                           MX:2.00000E+00 #107
DEFINE OBEZ
                                  ;UNITS:GAUSS
DEFINE OCHUNLOX
                ,0.0,1.19209E-07
                                  :UNITS: NM SEC
                                               DSP: HMSEC
                                                           MX:2.56000E+02 #108
DEFINE ODHUNLDY
                ,0.0,1.19209E-07
                                  ;UNITS: NMSEC
                                               DSP: MMSEC
                                                           MX:2.56000E+02 #109
DEFINE ODHUNLDZ ,0.0,1.19209E-07
                                  :UNITS: NMSEC
                                               DSP: NMSEC
                                                           MX:2.56000E+02 #110
DEFINE OEXG
                                                           MX:1.14592E+02 #111
                ,0.0,5.33609E-08
                                  :UNITS: RADIAN DSP: DEGREE
                                                           IX:1.14592E+02 #112
                ,0.0,5.33609E-08
DEFINE OEYG
                                  :UNITS: RADIAN DSP: DEGREE
                .0.0.5.33609E-08
                                  ;UNITS: RADIAN DSP: DEGREE
                                                           MX:1.14592E+02 #113
DEFINE OEZG
```

```
;UNITS: RADIAN DSP: DEGREE
DEFINE OEXM
              ,0.0,5.33609E-08
                                                     MX:1.14592E+02 #114
              .0.0.5.33609E-08
DEFINE DEYM
                              :UNITS: RADI AN DSP: DEGREE
                                                     MX:1.14592E+02 #115
************************************
**
**
             REPORT: ACS%11 -ACS*
      OBC
***
MX:2.748/8E+08 #116
              .0.0.1.28000E-01
                              :UNITS:MSEC
                                          DSP: SEC
DEFINE OTF
              ,0.0,1.28000E-01
                                          DSP: SEC
                                                     MX:2.74878E+08 #117
DEFINE OTDELTA
                              :UNITS:MSEC
                                                     MX:2.56000E+02 #118
DEFINE OSYSMOY
              ,0.0,1.19209E-07
                              :UNITS: NMSEC
                                          DSP: NMSEC
              ,0.0,4.88281E-04
DEFINE ONOMS4
                              ;UNITS:MSEC
                                          DSP: MSEC
                                                     MX:1.04858E+06 #119
*************
**
*
      OBC
             REPORT: ACS%12 -ACS*
**
 **************************
                                                     MX:1.63840E+04 #120
              .0.0,7.62933E-06
                              :UNITS:COUNTS DSP:COUNTS
DEFINE OCNGX
              ,0.0,7.62939E-06
                              ;UNITS:COUNTS DSP:COUNTS
DEFINE OCHGY
                                                     MX:1.63840E+04 #121
              ,0.0,7.62939E-06
                              ;UNITS: COUNTS DSP: COUNTS
                                                     MX:1.63840E+04 #122
DEFINE OCNGZ
                                                     NX:1.63840E+04 #123
DEFINE OCHGYT
              ,0.0,7.62939E-06
                              :UNITS:COUNTS DSP:COUNTS
              ,0.0,7.62939E-06
                              ;UNITS: COUNTS DSP: COUNTS
                                                     MX:1.63840E+04 #124
DEFINE OCNGY1
              ,0.0,7.62939E-06
                                                     MX:1.63840E+04 #125
                              :UNITS:COUNTS DSP:COUNTS
DEFINE OCHGZI
              ,0.0,7.62939E-06
                              :UNITS:COUNTS DSP:COUNTS
                                                     MX:1.63840E+04 #126
DEFINE OCNGX2
              ,0.0,7.629392-06
                              ;UNITS:COUNTS DSP:COUNTS
                                                     M:1.63840E+04 #127
DEFINE OCNGY2
              ,0.0,7.62939E-06
                              :UNITS: COUNTS DSP: COUNTS
                                                     MX:1.63840E+04 #128
DEFINE OCNGZ2
              ,0.0,7.62939E-06
                              :UNITS:COUNTS DSP:COUNTS
                                                     MX:1.63840E+04 #129
DEFINE OCHGX3
                                                     MX:1.63840E+04 #130
              ,0.0,7.62939E-06
                              ;UNITS: COUNTS DSP: COUNTS
DEFINE OCNGY3
              ,0.0,7.62939E-06
                              :UNITS:COUNTS DSP:COUNTS
                                                     MX:1.63840E+04 #131
DEFINE OCNGZ3
 ***********************
**
 *
             REPORT: EPH%01 -EPHEM*
      OBC
 **
 DEFINE OEOGBRF1 ,0.0,3.90625E-03
                              ;UNITS: METERS DSP: METERS
                                                     MX:8.38861E+06 #132
              ,0.0,3.90625E-03
DEFINE OEOGBRF2
                              :UNITS:METERS DSP:METERS
                                                     MX:8.38861E+06 #133
                                                     MX:8.38861E+06 #134
                              :UNITS: METERS DSP: METERS
DEFINE OEOGBRF3 ,0.0,3.90625E-03
                              ;UNITS:KM/SEC DSP:KM/SEC
DEFINE OEOGBVF1
              .0.0,3.72529E-09
                                                     11X:8.00000E+00 #135
                              :UNITS:KM/SEC DSP:KM/SEC
                                                     MX:8.00000E+00 #136
DEFINE CEOGBVF2 ,0.0,3.72529E-09
DEFINE OEOGBVF3 .0.0.3.72529E-09
                              :UNITS:KM/SEC DSP:KM/SEC
                                                     MX:8.00000E+00 #137
* **
 *
             REPORT: EPH%02 -EPHEM*
      0 B C
 古古
 DEFINE OEOGBRG1 .0.0,3.90625E-03
                               :UNITS: PETERS DSP: NETERS
                                                     HX:8.38861E+06 #138
DEFINE 0E 0GBRG2 ,0.0,3.90625E-03
                               :UNITS: METERS DSP: METERS
                                                     MX:8.38861E+06 #139
                               ;UNITS: METERS DSP: METERS
                                                     MX: 8.38861E+06 #140
DEFINE OEOGBRG3 ,0.0,3.90625E-03
DEFINE 0E0GBVG1 ,0.0,3.72529E-09
                               ;UNITS: KM/SEC DSP: KM/SEC
                                                     MX:8.00000E+00 #141
                               ;UNITS: KM/ SEC DSP: KM/ SEC
DEFINE OEOGBYG2 ,0.0,3.72529E-09
                                                     MX:8.00000E+00 #142
DEFINE OEOGBYG3 ,0.0,3.72529E-09 ;UNITS:KM/SEC DSP:KM/SEC
                                                     MX: 8.COOOOE+00 #143
```

```
;**
; *
              REPORT: EPH%03 -EPHEM*
; **
*********************************
DEFINE 0EOGVCSE ,0.0,6.10352E-05
                                 :UNITS: N.D.
                                              DSP: N.D.
                                                          MX:1.31072E+05 #144
DEFINE 0E0GVSHE ,0.0,6.10352E-05
                                 ;UNITS:H.D.
                                                          MX:1.31072E+05 #145
                                              DSP: N.D.
                                                          MX:1.31072E+05 #146
DEFINE OEOGVGTE ,0.0,6.10352E-05
DEFINE OEOGVGTE ,0.0,6.10352E-05
                                 :UNITS: N.D.
                                              DSP: N.D.
                                              DSP: N.D.
                                                          MX:1.31072E+05 #147
                                 :UNITS: N.D.
DEFINE OEOGYF7D ,0.0,6.10352E-05
DEFINE OEOGYNFR ,0.0,6.10352E-05
DEFINE OEOGYLOS ,0.0,6.10352E-05
                                                          MX:1.31072E+05 #148
                                 :UNITS: N.D.
                                              DSP: N.D.
                                 :UNITS:N.D.
                                              DSP: N.D.
                                                          MX:1.31072E+05 #149
                                 :UNITS: N.D.
                                              DSP: N.D.
                                                          MX:1.31072E+05 #150
**
;*
              REPORT: EPHZO4 -EPHEM*
       OBC
DEFINE 0EOGYFAL ,0.0,6.10352E-05
                                                          MX:1.31072E+05 #151
                                 :UNITS: N.D.
                                              DSP: N.D.
DEFINE OEOGYTAL ,0.0,6.10352E-05
                                               DSP: N.D.
                                                          MX:1.31072E+05 #152
                                 ;UNITS:N.D.
               ,0.0,1.86265E-09
DEFINE OEOGWPU
                                              DSP:N.D.
                                                          MX:4.00000E+00 #153
                                 :UNITS: N.D.
                ,0.0,1.86265E-09 ;UNITS:N.D.
DEFINE OF OGWPG
                                               DSP: N.D.
                                                          MX:4.00000E+00 #154
DEFINE OEOGWPT
                .0.0.1.86265E-09
                                 :UNITS: N.D.
                                               DSP: N.D.
                                                          MX:4.00000E+00 #155
, **
;*
              REPORT: EPHEO5 -EPHEN*
       0 B C
**
 **<del>***************</del>
DEFINE OEOGBPT1 ,0.0,3.12500E-02 ;UNITS: METERS DSP: METERS MX: 6.71089E+07 #156
DEFINE OEOGBPT2 ,0.0,3.12500E-02
DEFINE OEOGBPT3 ,0.0,3.12500E-02
DEFINE OWOGBPT1 ,0.0,3.12500E-02
                                 ;UNITS:METERS DSP:METERS MX:6.71089E+07 #157
                                 ;UNITS: METERS DSP: METERS
                                                          MX:6.71089E+07 #158
                                                          MX:6.71089E+07 #159
                                 ;UNITS:METERS DSP:METERS
DEFINE OWOGBPT2 ,0.0,3.12500E-02 ;UNITS:METERS DSP:METERS MX:6.71089E+07 #160 DEFINE OWOGBPT3 ,0.0,3.12500E-02 ;UNITS:METERS DSP:METERS NX:6.71089E+07 #161
 *****************
· **
, *
               REPORT: EPH%06 -EPHEM*
       0 B C
**
 DEFINE OEOGWTE3 ,0.0,1.28000E+02 ;UNITS:MSEC DEFINE OEOGWTT5 ,0.0,1.28000E+02 ;UNITS:MSEC DEFINE OEOGWTTW ,0.0,1.28000E+02 ;UNITS:MSEC DEFINE OEOGWTTW ,0.0,1.28000E+02 ;UNITS:MSEC
                                               DSP:MSEC
                                                           MX:2.74878E+11 #162
                                               DSP: MSEC
                                                           MX.2.74878E+11 #163
                                               DSP:MSEC
                                                           MX:2.74878E+11 #164
                                               DSP: MSEC
                                                           MX:2.74878E+11 #165
 ****************
**
               REPORT: EPH$07 -EPHENI*
       OBC
 DEFINE OEOGNGT1 ,0.0,1.28000E+02 ;UNITS:MSEC
                                                           MX:2.74878E+11 #166
                                               DSP: MSEC
DEFINE OEOGWGT2 ,0.0,1.28000E+02 ;UNITS:MSEC
                                               DSP:MSEC
                                                           MX:2.74878E+11 #167
                .0.0,1.28000E+02 ;UNITS:MSEC
                                               DSP: MSEC
                                                           NX:2.74878E+11 #168
DEFINE OTDAT
```

```
**
; *
      OBC
              REPORT: ANT301 -APCM*
* **
,0.0,7.45058E-09
                                                          MX:1.60000E+01 #169
DEFINE CEANA
                                 :UNITS: YOLTS
                                               DSP: YCLTS
               ,0.0,7.45058E-09
DEFINE OEANE
                                 ;UNITS: VOLTS
                                               DSP: YOLTS
                                                          HX:1.60000E+01 #170
               ,0.0,7.45058E-09
DEFINE OESTS
                                              DSP: VOLTS
                                                          MX:1.60000E+01 #171
                                 ;UNITS: VOLTS
               ,0.0,7.45058E-09
DEFINE OEABSC
                                 :UNITS: VOLTS
                                               DSP: VOLTS
                                                          MX:1.60000E+01 #172
               ,0.0,7.45058E-09
                                              DSP: VOLTS
                                                          MX:1.60000E+01 #173
DEFINE OEEBSC
                                 :UNITS:YOLTS
               ,0.0,7.45058E-09
DEFINE OESSEC
                                 ;UNITS: VOLTS
                                               DSP: VOLTS
                                                          MX:1.60000E+01 #174
               ,0.0,1.19209E-07
                                 :UNITS: DEGREE DSP: DEGREE
                                                          MX:2.56000E+02 #175
DEFINE OTHANA
                ,0.0,1.19209E-07
DEFINE OTHANE
                                 ;UNITS:DEGREE DSP:DEGREE
                                                          MX:2.56000E+02 #176
DEFINE OTHAZ
               ,0.0,1.19209E-07
                                 ;UNITS: DEGREE DSP: DEGREE
                                                          MX:2.56000E+02 #177
DEFINE OTHEL
                ,0.0,1.19209E-07
                                                          MX:2.56000E+02 #178
                                 ;UNITS: DEGREE DSP: DEGREE
DEFINE OE2PANA
                .0.0.2.13443E-07
                                 ;UNITS: RADIAN DSP: DEGREE
                                                          MX:4.58366E+02 #179
                ,0.0,2.13443E-07
                                                          MX:4.58366E+02 #180
DEFINE OE2PANE
                                 :UNITS: RADIAN DSP: DEGREE
                ,0.0,1.19209E-07
                                                          MX:2.56000E+02 #181
                                 :UNITS:DEGREE DSP:DEGREE
DEFINE ODASCAN
                ,0.0,1.19209E-07
                                 :UNITS:DEGREE DSP:DEGREE
                                                          MX:2.56000E+02 #182
DEFINE ODESCAN
                                 ;UNITS: DEGREE DSP: DEGREE
                                                          MX:2.56000E+02 #183
DEFINE OZENANG
                ,0.0,1.19209E-07
DEFINE ONCSLEW
                                               DSP: N.D.
                                                           MX:1.31072E+05 #184
                ,0.0,6.10352E-05
                                 ;UNITS: N.D.
 ********************
 **
 *
              REPORT: ANTSO2 -APCM*
       0 B C
 **
 ,0.0,5.96046E-08
                                 ;UNITS: STEPS
                                                           MX:1.28000E+02 #185
                                               DSP: STEPS
DEFINE ONASTEP
                ,0.0,5.96046E-08
DEFINE ONESTEP
                                 ;UNITS: STEPS
                                               DSP: STEPS
                                                           MX:1.28000E+02 #186
                ,0.0,5.96046E-08
DEFINE ONRACMD
                                 :UNITS: STEPS
                                               DSP: STEPS
                                                           MX:1.28000E+02 #187
                ,0.0,5.96046E-08
                                               DSP: STEPS
                                                           1X:1.28000E+02 #188
DEFINE ONRECMD
                                 ;UNITS: STEPS
                0.0,5.96046E-08
                                               DSP: STEPS
                                                           MX:1.28000E+02 #189
DEFINE ONSTOMD
                                 ;UNITS: STEPS
                ,0.0,7.45058E-09
                                 ;UNITS: VOLTS
                                               DSP: YOLTS
                                                           MX:1.60000E+01 #190
DEFINE OFEANA
                ,0.0,7.45058E-09
                                 :UNITS: VOLTS
                                               DSP: VOLTS
                                                           MX:1.60000E+01 #191
DEFINE OFEANE
                ,0.0,7.45058E-09
DEFINE OFESTS
                                 :UNITS: VOLTS
                                               DSP: VOLTS
                                                           MX:1.60000E+01 #192
                ,0.0,1.13687E-13
DEFINE CGANAE
                                 :UNITS: N.D.
                                               DSP: N.D.
                                                           MX:2.44141E-04 #193
                ,0.0,1.19209E-07
DEFINE CANTADY
                                 :UNITS:DEGREE DSP:DEGREE
                                                          MX:2.56000E+02 #194
, **
;*
       O B C
              REPORT: ANT%03 -APCM*
**
 **************************************
                ,0.0,9.31323E-10
DEFINE OEPAET
                                 :UNITS: N.D.
                                               DSP: N.D.
                                                           MX:2.00000E+00 #195
                ,0.0,9.31323E-10
DEFINE OFPAEZ
                                 ;UNITS: N.D.
                                               DSP: N.D.
                                                           MX:2.00000E+00 #196
                ,0.0,9.31323E-10
                                               DSP: N.D.
                                                           MX:2.00000E+00 #197
DEFINE OFPAE3
                                 :UNITS: N.D.
                ,0 0,9.313238-10
DEFINE OFPAEA
                                 :UNITS:N.D.
                                               DSP: N.D.
                                                           MX:2.00000E+00 #198
                ,G.O,1.19209E-07
                                  :UNITS: DEGREE DSP: DEGREE
                                                           MX:2.56000E+02 #199
DEFINE OTHACMD
                ,0.0,1.19209E-07
DEFINE OTHECMD
                                 :UNITS:DEGREE DSP:DEGREE
                                                           MX:2.56000E+02 #200
                ,0.0,3.72529L-09
                                  :UNITS: N.D.
                                               DSP: N.D.
                                                           MX:8.00000E+00 #201
DEFINE OBANA
                ,0.0,3.725298-09
                                               DSP: N.D.
                                                           MX:8.00000E+00 #202
DEFINE OBANE
                                 ;UNITS: N.D.
                                               DSP: N.D.
                                                           MX: 6.40000E+01 #203
DEFINE OYANA
                ,0.0,2.98023E-08
                                 ;UNITS: N.D.
                ,0.0,2.98023E-08
                                               DSP: N.D.
                                                           MX:6.40000E+01 #204
                                 ;UNITS: N.D.
DEFINE OYANE
                .0.0,1.45519E-11
                                  ;UNITS: RADIAN DSP: RADIAN
                                                           MX:3.12500E-02 #205
DEFINE OONEGA
```

```
***********************
;*
      OBC
              REPORT: ANT%04 -APCM*
• **
,0.0,1.19209E-07
DEFINE OELBIAS
                                :UNITS: DEGREE DSP: DEGREE
                                                       MX:2.56000E+02 #206
               .0.0,7.45058E-09
DEFINE OLAVAT
                               :UNITS:YOLTS
                                                       MX:1.60000E+01 #207
                                            DSP: YOUTS
DEFINE OLAMET
               ,0.0,7.45058E-09
                                            DSP: VOL TS
                                                        MX:1.600CCE+01 #208
                               ;UNITS: VOLTS
DEFINE OLAMSI
               ,0.0,7.45058E-09
                               :UNITS: YOLTS
                                            DSP: VOLTS
                                                        MX:1.60000E+01 #209
DEFINE OLAMA2
               ,0.0,7.45058E-09
                                :UNITS:YOLTS
                                            DSP: VOLTS
                                                       MX:1.60000E+01 #_10
               ,0.0,7.45058E-09
DEFINE OLAME2
                                :UNITS: YOLTS
                                            DSP: VOLTS
                                                        MX:1.60000E+01 #211
               ,0.0,7.45058E-09
DEFINE OLAMS2
                                :UNITS: VOLTS
                                            DSP: VOLTS
                                                       MX:1.60000E+01 #212
DEFINE OLAMS
               ,0.0,7.45058E-09
                               ;UNITS: YOLTS
                                            DSP: VOLTS
                                                       MX:1.60000E+01 #2.3
DEFINE ODMAX
               ,0.0,1.19209E-07
                               ;UNITS: DEGREE DSP: PEGREE
                                                       MX:2.56000E+02 #214
               ,0.0,1.19209E-07
DEFINE ODELTA
                               ;UNITS: DEGREE DSP: DEGREE
                                                       MX:2.56000E+12 #215
DEFINE OTABOND
               ,0.0,1.i9209E-07
                                ;UNITS: DEGREE DSP: DEGREE
                                                       MX:2.56000E+L2 #216
DEFINE OTEBCMD
               ,0.0,1.19209E-07
                               :UNITS:DEGREE DSP:DEGREE
                                                       MX:2.56000E+02 #217
               ,0.0,4.65661E-10
                                            DSP: N.D.
                                                       MX:1.00000E+00 #218
DEFINE OGPAE
                               :UNITS: N.D.
               ,0.0,4.65661E-10
DEFINE OGIAE
                               ;UNITS: N.D.
                                            DSP:N.D.
                                                       MX:1.00000E+00 #219
DEFINE OGDAE
               ,0.0,7.27596E-12
                               :UNITS: N.D.
                                            DSP: N.D.
                                                       MX:1.56250E-02 #220
;**
;*
      0 B C
              REPORT: UFL%01 -UFLTR*
;**
,0.0,3.00155E-06
DEFINE OS?
                               :UNITS: RADIAN DSP: ARCSEC
                                                       MX: 6.44578E+03 #221
               ,0.0,3.00155F-06
DEFINE OS2
                                                       MX:6.44578E+03 #222
                               ;UNITS: RADIAN DSP: ARCSEC
                                :UNITS: RADIAN DSP: ARCSEC
DEFINE OS3
               ,0.0,3.00155E-06
                                                        MX:6.44578E+03 #223
               ,0.0,7.32800E-10
DEFINE OS4
                                :UNITS:RAD/SE DSP:ARCS/S
                                                        TX:1.57368E+00 #224
               ,0.0,7.32800E-10
DEFINE OS5
                                :UNITS:RAD/SE DSP:ARCS/S
                                                        MX:1.57368E+00 #225
DEFINE 0S6
               ,0.0,7.32800E-10
                                ;UNITS: RAD/SE DSP: ARCS/S
                                                        MX:1.57368E+00 #226
               ,0.0,2.27374E-13
                                ;UNITS: RAD**2 DSP: RAD**2
DEFINE OPMIT
                                                        MX:4.88281E-04 #227
               ,0.0,2.27374E-13
DEFINE OPIN 12
                                ;UNITS:RAD**2 DSP:RAD**2
                                                        MX: 4.88281E-04 #228
                               ;UNITS: RAD* *2 DSP: RAD**
DEFINE OPINI 13
               .0.0,2.27374E-13
                                                        MX:4.88281E-04 #229
;**
;*
       0 B C
              REPORT: UFL%02 -UFLTR*
,**
****************
               ,0.0,2.27374E-13
                                ;UNITS: RAD**2 DSP: RAD**2
                                                        MX:4.38281F-04 #230
DEFINE OPM 15
               ,0.0,2.27374E-13
                                ;UNITS:RAD**2 DSP:RAD**2
DEFINE OPIN 16
                                                        MX:4.88281E-04 #231
               ,0.0,2.27374E-13
                                ;UNITS: RAD**2 DSP: RAD**2
DEFINE OPM 19
                                                        MX:4.88281E -04 #232
               ,0.0,1.35525E-20
                                :UNITS: (R/S)2 DSP: (R/S)2
                                                        MX:2.91038E-11 #233
DEFINE OPI1221
               ,0.0,1,35525E-20
                                                        MX:2.91038E-11 #234
                                ;UNITS:(R/S)2 DSP:(R/S)2
DEFINE OPN222
DEFINE OPH223
               ,0.0,1.35525E-20
                                JUMITS: (R/S)2 DSP: (R/S)2
                                                        IX:2.91038E-11 #235
```

```
*****
                 ***
; k
             REPORT: UFLTO3 -UFLTR*
      OBC
***
*****
                 .0.0.1.35525E-20 ;UNITS:(R/S)2 DSP:(R/S)2 MX:2.91038E-11 #236
DEFINE OPM225
                              :UNITS:(R/S)2 DSP:(R/S)2
;UNITS:(R/S)2 DSP:(R/S)2
                                                      MX:2.91038E-11 #237
              .0.0,1.355252-20
DEFINE OPHE26
                                                      MX:2.91038E-11 #238
               .0.0,1.35525E-20
DEFINE CPN229
                                                      MX:1.49012E-08 #239
                               ;UAITS:R*2/SE DSP:R*2/SE
               ,0.0,6.93839E-18
DEFINE OPM121
                                                      1X-1.490125-08 #240
                               ;UNITS:R*2/SE DSP: 3*2/SE
               .0.0,6.93889E-10
DFFINE OPMIZZ
                                                      MX:1.49012E-08 #241
                               :UNITS:R*2/St DSP:R*2/SE
               .0.0.6.93889E-18
DEFINE OPMIZ3
REPORT: UFLEC: -UFLIR*
* *
      OBC
***
         ...0.6.93889E-18 ;UNITS:R*2/SE DSP:R*2/SE MX:1.49012E-08 #242
DEFINE OPM124
               ,0.0,6.93889E-18 :UNITS:R*2/SE DSP:R*2/SE MX:1.49012E-08 #243
DEFINE OPH125
                               ;UNITS:R*2/SE CSP:R*2/SL
                                                     MX:1.49012E-07 #244
               .0.0,6.93889E-18
DEFINE OPM126
                                                      MX:1.49012E-08 #245
                               ;UNITS:R*2/SE DSP:R*2/SE
               .0.0 6.93889E-18
DEFINE CPM127
                               :UNITS:R*2/SE DSP:R*2/SE MX:1.49012E-08 #246
               ,0.0,6.93889E-18
DEFINE OPM128
                              ;UNITS:R*2/SE DSP:R*2/SE MX:1.49012E-08 #247
               .0.0,6.93889E-18
DEFINE OPINI 29
 *************
·**
; *
            REPORT: UFL%06 -UFLTR*
       OBC
* **
 .C.O.5.82077E-11 ;UNITS: N.D.
                                                       MX:1.25000E-01 #248
                                            DSP: N.D.
DEFINE CXS
                                                       MX:1.25000E-01 #249
               ,0.0,5.82077E-11
                                            DSP: N.D.
DEFINE CYS
                               ;UNITS: N.D.
                                                       MX:1.28000E+02 #250
               ,0.0,5.96046E-08
                                            DSP: N.D.
                               :UNITS: N.D.
DEFINE OSCP11
                                                       MX:1.28000E+02 #251
               .0.0,5.960 6E-08
                                            DSP: N.D.
                               ;UNITS: N.D.
 DEFINE OSCP12
                                                       MX:1.28000E+02 #252
                               ;UNITS: N.D.
                                            DSP: N.D.
               ,0.0,5.96046E-08
 DEFINE OSCP22
                                                       MX:1.28000E+02 #253
               ,0.0,5.96046E-08
                                            DSP: N.D.
                               :UNITS:N.D.
 DEFINE OSCKL
                                                       MX:1.28000E+02 #254
               ,0.0,5.96046E-08
                               :UNITS: N.D.
                                            DSP: N.D.
 DEFINE OSCKH
                                                       MX:1.28000E+02 #255
               .0.0,5.96046E-08
                                            DSP: N.D.
                               :UNITS: N.D.
 DEFINE OSCKIL
                                                       MX:1.28000E+02 #256
               ,C.O,5.96046E-08
                                            DSP: N.D.
                               :UNITS: N.D.
 DEFINE OSCKIH
          ********************************
 **
              REPORT: UFL%07 -UFLTR*
       OBC
               **************
 ***
                               ;UNITS: SECOND DSP: SECOND MX: 5.1200 0E+02 #257
                .0.0.2.38419E-07
 DEFINE OTP
                                                       MX:1.25000E-07 #258
               .0.0.5.82077E-11
                               ;UNITS:N.D. DSP:N.D.
 DEFINE OZI
                                                       MX:1.25000E-01 #259
                ,0.0,5.82077E-11
                                            DSP: N.D.
                               :UNITS: N.D.
 DEFINE 0Z2
                                                       次:1.DQUCOE+00 #26U
                                            DSP: N.D.
                .0.0,4.65661E-10
                                :UNITS:N.D.
 DEFINE OH11
                                            DSP: N.D.
                                                       MX:1.00000E+00 #261
                .0.0.4.65651E-10
                                :UNITS: N.D.
 DEFINE CH12
                                                       MX:1.00000E+00 #262
                ,0.0,4.65661E-10
                                            DSP: N.D.
                                :UNITS:N.D.
 DEFINE OH13
                                                       MX:1.00000E+00 #263
                .0.0,4.65661E-10
                                            DSP: N.D.
                                :UNITS: N.D.
 DEFINE OH21
                                                        MX:1.00000E+00 #264
                                            DSP:N.D.
                ,0.0,4.65661E-10
                                :UNITS:N.D.
 DEFINE 0H22
                                                       MX:1.00000E-00 #265
                .0.0.4.65661E-10
                                            DSP: N.D.
                                :UNITS: N.D.
 DEFINE 0423
                                ;UNITS: RADI AN DSP: ARCSEC
                                                       MX:6.44578E+03 #266
                ,0.0,3.00155E-06
 DEFINE OVST
                                                       MX: 6.4457 SE+03 #267
                                ;UNITS: RADIAN DSP: ARCSEC
                ,0.0,3.00155E-06
 DEFINE OVSZ
                               ;UNITS: RADI AN DSP: DEGREE MX:4.58366E+02 #268
                .0.0.2.73443E-07
 DEFINE CRS.
                                                                WIP-0068L
```

```
* **
            REPORT: UFLZO8 -UFLTR*
DEFINE OTHETAM
             .0.0.3.33505E-09
                            ;UNITS: RADIAN DSP: DEGREE MX:7.16197E+00 #269
DEFINE OPHIM
             .0.0.3.33505<u>E</u>-09
                            ;UNITS: FADI AN DSP: DEGREE 1X:7.16197E+00 #270
DEFINE OXSC
             .0.0.5.82077E-11
                                       DSP: N.D.
                            :UNITS: M.D.
                                                 14X:1-25000E-01 #271
DEFINE OZSC
             .0.0,5.82077E-11
                                       DSP:N.D.
                            .C.M:ZTINU;
                                                 MX:1.25000E-01 #272
DEFINE CAP
             .0.0,4.65661E-10
                            ;UNITS: N.D.
                                       DSP: N.D.
                                                 MX:1.00000E+00 #273
DEFINE OYP
             ,0.0,4.65661E-10
                            ;UNITS:N.D.
                                       DSP: N.D.
                                                 MX:1.00000E+00 #274
DEFINE OXPE
             ,0.0,4.65661E-10
                            :UNITS: H.D.
                                       DSP: N.D.
                                                 MX:1.00000E+00 #275
DEFINE OYPE
             .0.0,4.65661E-10
                            ;UNITS: N.D.
                                       DSP:N.D.
                                                 MX:1.00000E+00 #276
DEFINE OLSX
             .0.0,4.65661E-10
                            :UNITS: N.D.
                                       DSP: N.D.
                                                 MX:1 00000E+00 #277
DEFINE OLSY
             .0.0,4.65661E-10 ;UNITS:N.D.
                                       DSP: N.D.
                                                 MX:1.00009E+00 #278
**
*
            REPORT: UFL%09 -UFLTR*
***
DEFINE OLSZ
             ,0.0,4.65661E-10 ;UNITS: N.D.
                                       DSP: N.D.
                                                 MX:1.00000E+00 #279
DEFINE OSX
             ,0.0,3.33505E-09
                            ;UNITS:RADIAN DSP:DEGREE MX:7.16197E+CO #280
             ,0.0,3.33505E-09
DEFINE DSY
                            ;UNITS: RADIAN DSP: DEGREE MX:7.16197E+00 #281
DEFINE OIS
             ,0.0,4.00000E-02
                                       DSP: VOLTS
                            :UNITS:TMC
                                                 ffX:8.58993E+07 #282
DEFINE OTS
             ,0.0,4.00000E-02
                                       DSP: YOLTS
                            ;UNITS: TIK
                                                 MX: 8.58993E+07 #283
DEFINE OUFDTREQ .0.0,5.96046E-08 ;UNITS:N.D.
                                       DSP:N.D.
                                                 MX:1.28000E+02 #284
;**
· ×
      OBC
            REPORT: UFLSTO -UFLTR*
;**
************************
DEFINE OSCU
             ,0.0,6.10352E-05 ;UNITS:N.A.
                                       DSP: N.A.
                                                 MX:1.31072E+05 #285
DEFINE OSCUI
             ,0.0,6.10352E-05 ;UNITS:N.A.
                                       DSP: N.A.
                                                 MX:1.31072E+05 #286
DEFINE OTUS
             .0.0.1.28000E+02 ;UNITS:MSEC
                                       DSP:MSEC
                                                 MX:2.74878E+11 #287
**
     OBC
            REPORT: UFL%11 -UFLTR*
       ****************
DEFINE OYSC
             ,0.0,5.82077E-11 ;UNITS:N.D.
                                       DSP: N.D.
                                                 MX:1.25000E-01 #288
                          ;UNITS:FHSTC
DEFINE OH
             ,0.0,9.53674E-07
                                       DSP: DEGREE 11X:2.04800E+C3/#289
DEFINE OV
             .0.0,9.53674E-07 ;UNITS:FHSTC DSP:DEGREE MX:2.048C0E+03 #290
*************************
***
     OBC
            REPORT: POT201 -POTDAT*
**
******************
             ,0.0,2.38419E-07
DEFINE OTSAIT
                           ;UNITS: DEGREE DSP: DEGREE MX: 5.12000E+02 #291
             ,0.0,2.38419E-07 ;UNITS:DEGREE DSP:DEGREE MX:5.12000E+02 #292
DEFINE OTSAI2
DEFINE OSADRATE ,0.0,9.31323E-10 ;UNITS:DEG/SE DSP:DEG/SE MX:2.00000E+00 #293
            .0.0,2.38419E-07 ;UNITS: DEGREE DSP: DEGREE 11X:5.12000E+02 #294
DEFINE OPOTDIF
            .0.0.6.25000E-02 ;UNITS:MSEC DSP:MSEC
DEFINE OTIME18
                                                 MX:1.3421SE+08 #295
```

WEST STATE

```
OBC
            REPORT: SDP201 -SOLARD*
* * *
DEFINE OSDSEPTM .0.0.6.25000E-02 ;UNITS:MSEC DEFINE OSDTEPP .0.0.6.25000E-02 ;UNITS:MSEC
                                     D32M:920
                                               MX:1.34218E+08 #296
                                     DSP: MSEC
                                               MX:1.34218E+08 #297
***
          REPORT: GMT201 -GATCOR*
             DEFINE OTUPDATE ,0.0,1.28000E+02 ;UNITS:MSEC DEFINE OTUPDATE ,0.0,1.28000E+02 ;UNITS:MSEC
                                     DSP:MSEC
                                               MX:2.74878E+11 #298
                                     DSP:MSEC
                                               MX:2.74878E+11 #299
**
*
          REPORT: SEP201 -SEPHEM*
**
,0.0,1.28000E+02 ;UNITS:MSEC DSP:MSEC
DEFINE OTSOL
                                               MX:2.74878E+11 #300
DEFINE OL
             .0.0,2.32831E-10 ;UNITS:CIRCLE DSP:CIRCLE MX:5.00000E-01 #301
DEFINE OSIX
             ,0.0,4.65661E-10 ;UNITS:N.D. DSP:N.D.
                                               MX:1.00000E+00 #302
DEFINE OSLY
             .0.0.4.65661E-10 ;UNITS:N.D.
                                     DSP: N.D.
                                               1X:1.00000E+00 #303
             .0.0,4.65661E-10 ;UNITS: N.D.
DEFINE OSIZ
                                    DSP:N.D.
                                               MX:1.00000E+00 #304
             .0.0,1.49012E-08 :UNITS:KM/SEC DSP:KM/SEC 10X:3.20000E+01 #305
DEFINE OVEX
             .0.0.1.49012E-08 :UNITS:KM/SEC DSP:KM/SEC MX:3.20000E+01 #306
DEFINE OVEY
DEFINE OVEZ
             .0.0.1.49012E-08 :UNITS:KNYSEC DSP:KNYSEC MX:3.20000E+01 #307
 救救
     OBC REPORT: ANT205 -APCM*
              DEFINE OTALSI
             .0.0.4.76837E-07 :UNITS:DEGREE DSP:DEGREE MX:1.02400E+03 #308
DEFINE OTELSI
             .0.0,4.76837E-07 ;UNITS:DEGREE DSP:DEGREE MX:1.02400E+03 #309
DEFINE OTAZSF
             .0.0,4.76837E-07 ;UNITS:DEGREE DSP:DEGREE MX:1.02400E+03 #310
             ,0.0,4.76837E-07
                          ;UNITS:DEGREE DSP:DEGREE MX:1.02400E+03 #311
DEFINE OTELSE
             .0.0,4.76837.-07
DEFINE OTAZSD
                          :UNITS:DEGREE DSP:DEGREE MX:1.02400E+03 #312
DEFINE OTELSD
             .0.0,4.76837E-07
                          ;UNITS:DEGREE DSP:DEGREE MX:1.02400E+03 #313
                                               MX:2.19902E+09 #314
DEFINE OF DC APFT .0.0,1.02400E+00 :UNITS:MSEC
                                     DSP:SEC
**
. *
     OBC REPORT: SCPRPRT -STC*
* 故 *
DEFINE OATCNXT ,0.0,1.02400E+00 ;UNITS:MSEC DSP:SEC
                                              MX:2.19902E+09 #315
EHLCHY
END
```

#### APPENDIX A.7

### PROPULSION MODULE (PM) TELEMETRY CALIBRATION DATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

: ACS DIRECT CONTROL INPUTS ENA/DISA

\*\*\*\*\*\*

PM CONV. DEF.

ZACSDIR

ZLV456

ZLVDVRS

ZLVDVRS

ZRMAATC

ZRMAATC

ZRMACTC

ZRMACTC

ZRMBATC

ZRMBATC

ZRMBDTC

ZRMBDTC

. 0.0.02

. 0,0.02

, 0,0.02

0.0.02

, 0,0.02

, 0,0.02

COEFF

POINT

COEFF

POINT

COEFF

POINT

COEFF

POINT

COEFF

POINT

COEFF

POINT

```
COEFF
         ZACSDIR
                      0.0.02
POINT
         ZEABATC
                    ; PME A/B ATT CONTROL ENA/DISA
COEFF
         ZEABATC
                      0,0.02
POINT
         ZEABTRS
                    ; PME A/B TRANSLATION CONTROL ENA/DISA
COEFF
         ZEAPTRS
                      0,0.02
POINT
         ZEANATC
                    ; PME A NEG ATT CONT REM A/C ENA/DISA
COEFF
         ZEANATC
                      0,0.02
POINT
         ZEANGEN
                    ; PME A NEG ATT CONT TORQ PULSE GEN
COEFF
         ZEANGEN
                      0,0.02
POINT
         ZEAPATC
                    : PME A POS ATT CONT REM A/C ENA/DISA
         ZEAPATC
COEFF
                      0.0.02
POINT
         ZEAPGEN
                    ; PME A POS ATT CONT TORQ PULSE GEN
         ZEAPGEN
COEFF
                      0,0.02
POINT
         ZEAPULS
                    ; PME A 40/100/280MS PULSE SELECT
COEFF
         ZEAPULS
                      0.0.02
POINT
         ZEARMTC
                    ; PME A TR CONT REM A,C/B,D ENA/DISA
COEFF
         ZEARMTC
                      0,0.02
POINT
         ZEBNATC
                    : PME B NEG ATT CONT REM A/C ENA/DISA
COEFF
         ZEBNATC
                      0.0.02
POINT
         ZEBNGEN
                    : PME B NEG ATT CONT TORO PULSE GEN
COEFF
         ZEBNGEN
                      0.0.02
POINT
         ZEBPATC
                    ; PME B POS ATT CONT REM A/C ENA/DISA
COEFF
         ZEBPATC
                      0,0.02
POINT
         ZEBPGEN
                    ; PME B POS ATT CONT TORQ PULSE GEN
COEFF
         ZEBPGEN
                      0,0.02
POINT
         ZEBPULS
                    ; PME B 40/100/280 MS PULSE SELECT
COEFF
         ZEBPULS
                      0,0.02
POINT
         ZEBRMTC
                    ; PME B TR CONT REM A.C/B.D ENA/DISA
COEFF
         ZEBRMTC
                    . 0,0.02
POINT
         ZFULPSI
                    ; FUEL TANK PRESSURE
COEFF
         ZFULPSI
                    , 0,2.00
POINT
         ZHTRBUS
                    ; PRI/REDUND HTR BUS ENA/DISA
COEFF
         ZHTRBUS
                    , 0,0.02
POINT
         ZLV123
                    ; LATCH VALVES 1,2,3 OPEN/CLOSED
         ZLV123
COEFF
                    , 0,0.02
         ZLV456
POINT
                    ; LATCH VALVES 4,5,6 OPEN/CLOSED
```

: PME A/B LATCH VALVE DRIVER ENA/DISA

; REM A ATT CONTROL THRUSTERS ON/OFF

; REM B ATT CONTROL THRUSTERS ON/OFF

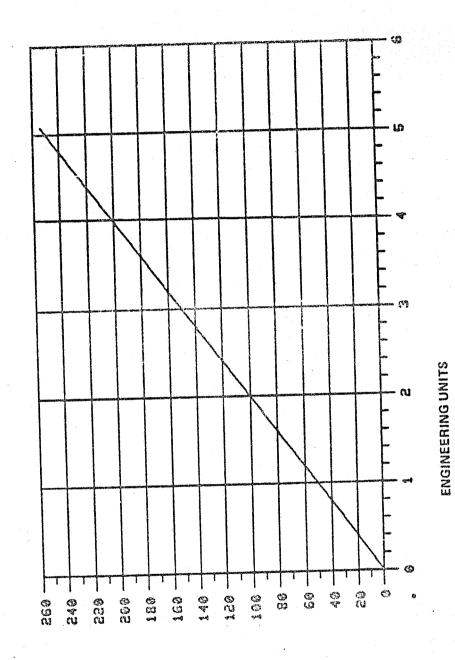
; REM A/C TRANSL CONT THRUSTERS ON/OFF

; REM B/D TRANSL CONT THRUSTERS ON/OFF

```
POINT
         ZRMCATC
                    ; REM C ATT CONTROL THRUSTERS ON/OFF
COEFF
         ZRMCATC
                      0,0.02
POINT
         ZRMDATC
                      REM D ATT CONTROL THRUSTERS ON/OFF
COEFF
         ZRMDATC
                      0.0.02
POINT
         ZTIAFUL
                    ; PM-1A FUEL TEMPERATURE in deg. centigrade
COEFF
         ZTIAFUL
                      .1234E+3,-.2073E+1,.2266E-1,-.1515E-3,.5174E-6,-.7163E-9
POINT
         ZTIALIN
                      PM-1A LINE TEMPERATURE in deg. centigrade
COEFF
         ZTTALIN
                      .1234E+3,-.2073E+1,.2266E-1,-.1515E-3,.5174E-6,-.7163E-9
POINT
                    ; PM-1A TANK TEMPERATURE in deg. centigrade
. .1234E+3,-.2073E+1,.2266E-1,-.1515E-3,.5174E-6,-.7163E-9
         ZTIATNK
COEFF
         ZTIATNK
                      BEAM TEMP CENTER (PME-A) in deg. centigrade
POINT
         ZTBMCTR
COEFF
                      115.089,-1.5821,1.19745E-2,-4.93429E-5,7.1279E-8
         ZTBMCTR
POINT
         ZTBMRMAB
                      BEAM TEMP REM A (PME-A) in deg. centigrade
                      115.089,-1.5821,1.19745E-2,-4.93429E-5,7.1279E-8
COEFF
         ZTBMRMAB
                      L/V 1 TEMP (PME-A) in deg. centigrade
POINT
         ZTLV1LV4
COEFF
         ZTLY1LY4
                      115.089,-1.5821,1.19745E-2,-4.93429E-5,7.1279E-8
POINT
         ZTLV2LV5
                      L/V 2 TEMP (PME-A) in deg. centigrade
COEFF
         ZTLV2LV5
                      115.089,-1.5821,1.19745E-2,-4.93429E-5,7.1279E-8
                      L/V 3 TEMP (PME-A) in deg. centigrade
POINT
         ZTLV3LV6
COEFF
         ZTLY3LY6
                      115.089,-1.5821,1.19745E-2,-4.93429E-5,7.1279E-8
POINT
                      REM A TEMP 1 (PME-A) in deg. centigrade
         ZTRMA1A3
COEFF
         ZTRMA1A3
                      142.519,-1.4127,7.2784E-3,-1.9168E-5,7.4889E-9
                      REM A TEMP 2 (PME-A) in deg. centigrade
POINT
         ZTRMA2A4
COEFF
         ZTRMA2A4
                      142.519,-1.4127,7.2784E-3,-1.9168E-5,7.4889E-9
                      REM B TEMP I (PME-A) in deg. centigrade
POINT
         ZTRMB1B3
COEFF
         ZTRMB1B3
                      142.519,-1.4127,7.2784E-3,-1.9168E-5,7.4889E-9
                      REM B TEMP 2 (PME-A) in deg. centigrade
POINT
         ZTRMB2B4
COEFF
         ZTRMB284
                      142.519,-1.4127,7.2784E-3,-1.9168E-5,7.4889E-9
                      REM C TEMP I (PME-A) in deg. centigrade
POINT
         ZTRMC1C3
                      142.519,-1.4127,7.2784E-3,-1.9168E-5,7.4889E-9
COEFF
         ZTRMC1C3
POINT
                      REM C TEMP 2 (PME-A) in deg. centigrade
         ZTRMC2C4
COEFF
         ZTRMC2C4
                      142.519,-1.4127,7.2784E-3,-1.9168E-5,7.4889E-9
POINT
                      REM D TEMP 1 (PME-A) in deg. centigrade
         ZTRMD1D3
                      142.519,-1.4127,7.2784E-3,-1.9168E-5,7.4889E-9
COEFF
         ZTRMD1D3
POINT
         ZTRMD2D4
                      REM D TEMP 2 (PME-A) in deg. centigrade
COEFF
         ZTRMD2D4
                      142.519,-1.4127,7.2784E-3,-1.9168E-5,7.48
POINT
                      TANK 1 TEMP in deg. centigrade
         ZTTANKT
COEFF
         ZTTANK 1
                      115.089,-1.5821,1.19745E-2,-4.93429E-5,7.1279E-8
POINT
         ZTTANK2
                      TANK 2 TEMP in deg. centigrade
                      115.089,-1.5821,1.19745E-2,-4.93429E-5,7.1279E-8
COEFF
         ZTTANK2
POINT
         ZTTANK3
                      TANK 3 TEMP in deg. centigrade
COEFF
         ZTTANK3
                    , 115.089,-1.5821,1.19745E-2,-4.93429E-5,7.1279E-8
```

COUNTS US ENGINEERING UNITS FOR ZACSDIR

ORIGINAL PAGE IS OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR ZEABATC

40

ENGINEERING UNITS

- ほしに門による> COSTEG

0

0

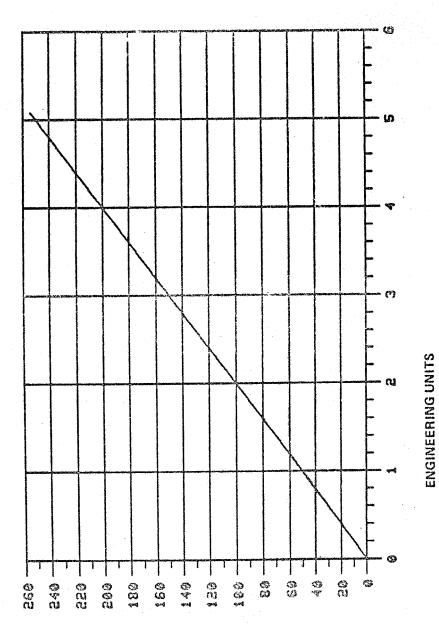
60 3

(5) (0)

୍ଦ୍ର ଓଡ଼ (C)

COUNTS US ENGINEERING UNITS FOR ZEABTRS

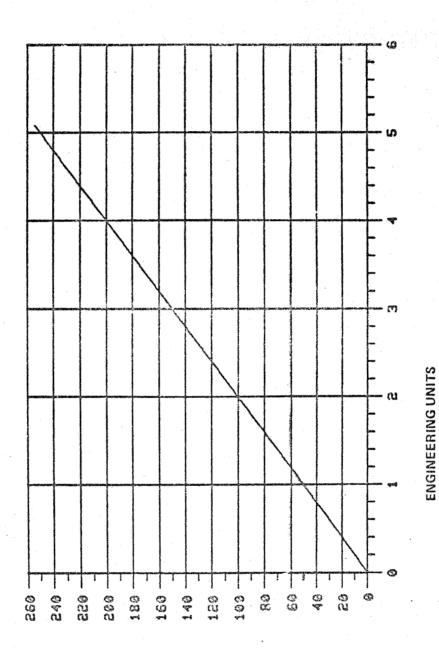
ORIGINAL PAGE IS OF POOR QUALITY



PULLENIER OODZEN

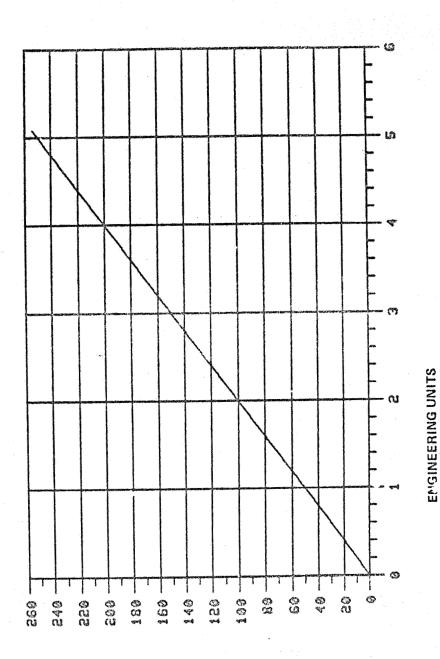
COUNTS US ENGINEERING UNITS FOR ZEANATC

ORIGINAL PAGE IS OF POOR QUALITY



-MIMEMPED CODEFO

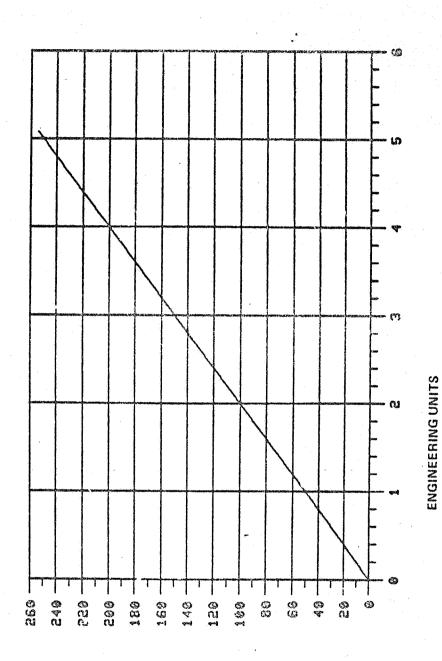
ORIGINAL PAGE 18 OF POOR QUALITY



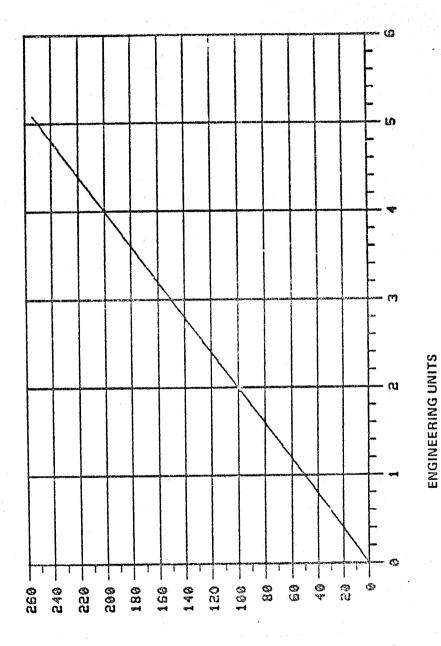
FULUEUFES CODZEG

COUNTS US ENGINEERING UNITS FOR ZEANGEN

COUNTS US ENGINEERING UNITS FOR ZEAPATC

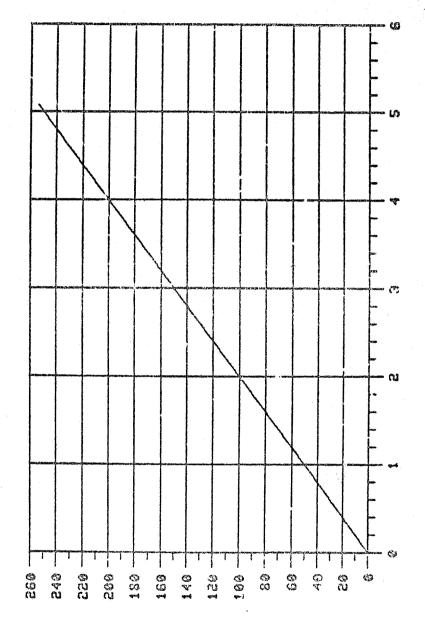


しゅうにいい くりょうほうしょ



FULUEUFRY CODZEG

COUNTS US ENGINEERING UNITS FOR ZEAPGEN

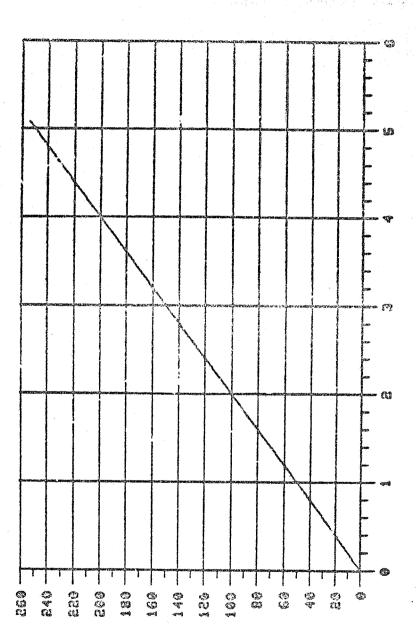


トミしほれるてなり くりしれてら

COUNTS US ENGINEERING UNITS FOR ZEAPULS

ENGINEERING UNITS

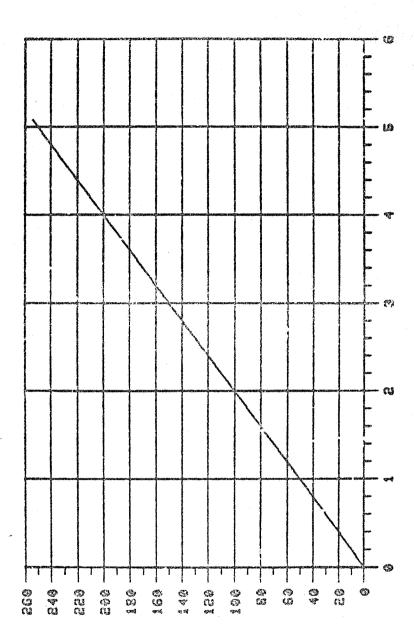
COUNTS US ENGINEERING UNITS FOR ZEARNIC



engineering units

トミュロミ くりっぱしの

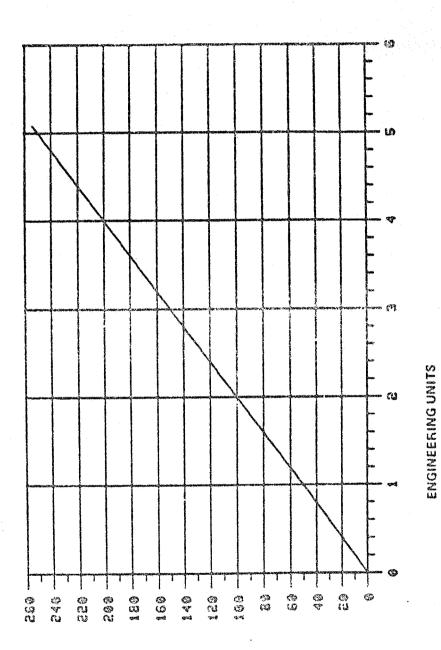




ENGINEERING UNITS

**ト出し四国間下は> 00コミトの** 

ORIGINAL PAGE IS OF POOR QUALITY

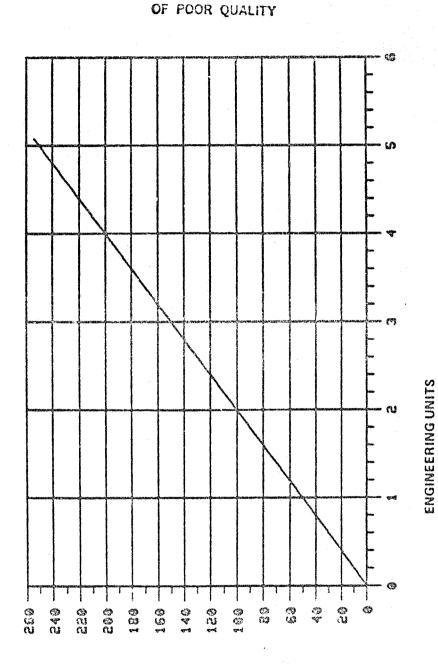


ちょいにのり くとも可以下で

0

COUNTS US ENGINEERING UNITS FOR ZEBNGEN

COUNTS US ENGINEERING UNITS FOR ZEBPATC

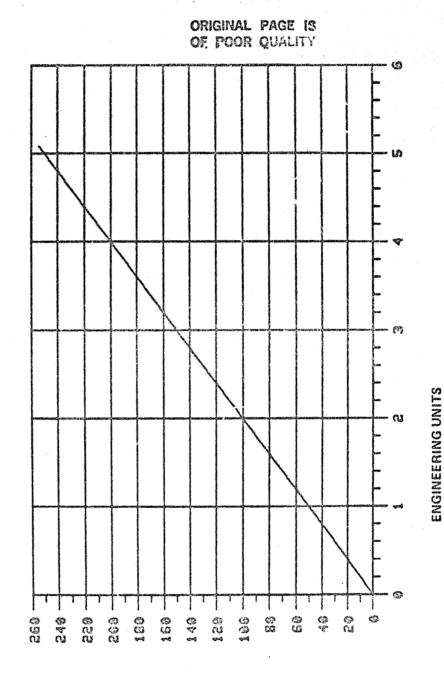


ORIGINAL PAGE IS

PHIMERPA> OODEPW

A - . . .

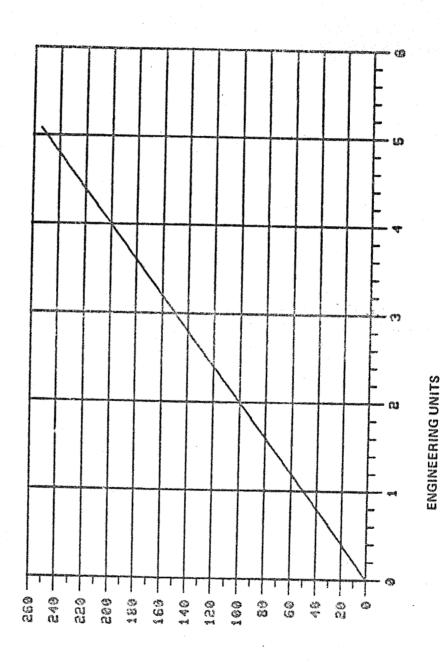
COUNTS US ENGINEERING UNITS FOR ZEBPGEN



PHUMEN COUSEN

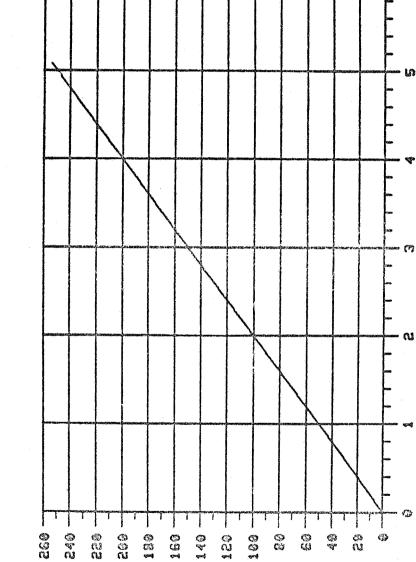
A 7 14





トローロミローベン くりつエトの

A.7 17

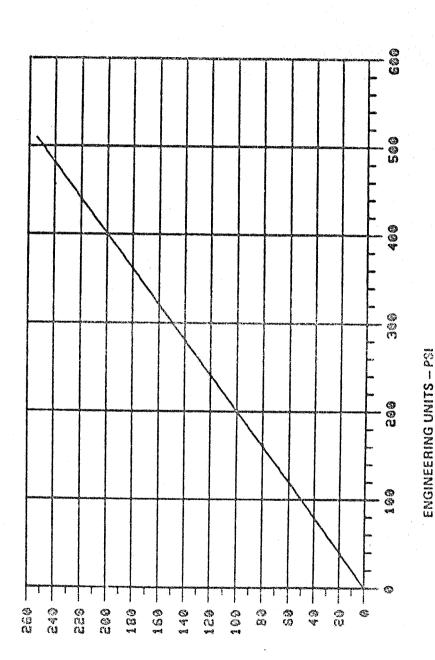


COUNTS US ENGINEERING UNITS FOR ZEBRATC

ENGINEERING UNITS

トミーににい くりつストの

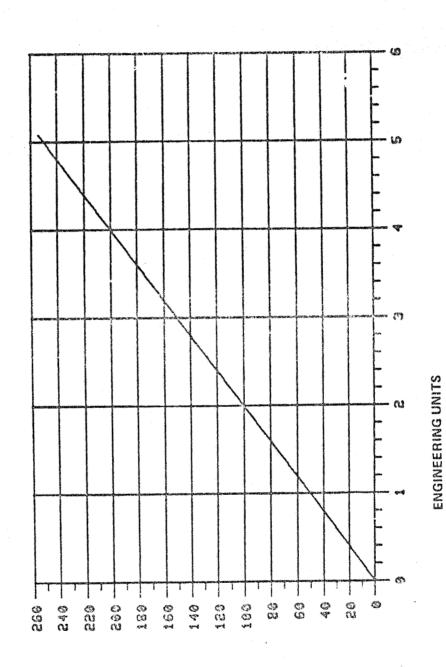
COUNTS US ENGINEERING UNITS FOR ZFULPSI



ORIGINAL PAGE IS OF LOOR QUALITY

PHIMEMPR> CODEPA

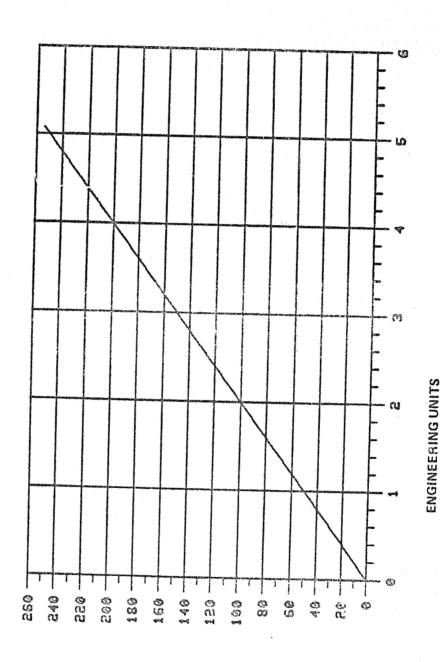




トピーにと くりつだけん

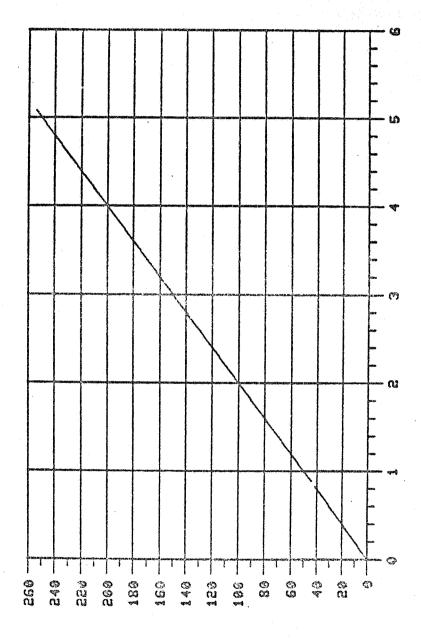
Λ 7 13

COUNTS US ENGINEERING UNITS FOR ZLU123



ruluzure> colzen

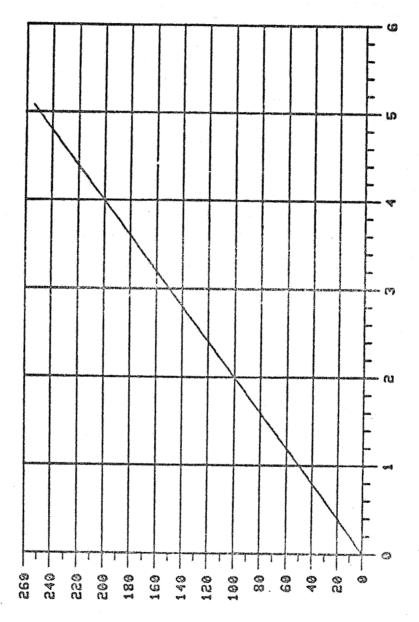
ENGINEERING UNITS



トローロと くりっぱっしゅ

COUNTS US ENGINEERING UNITS FOR ZLU456

ORIGINAL PROE IS

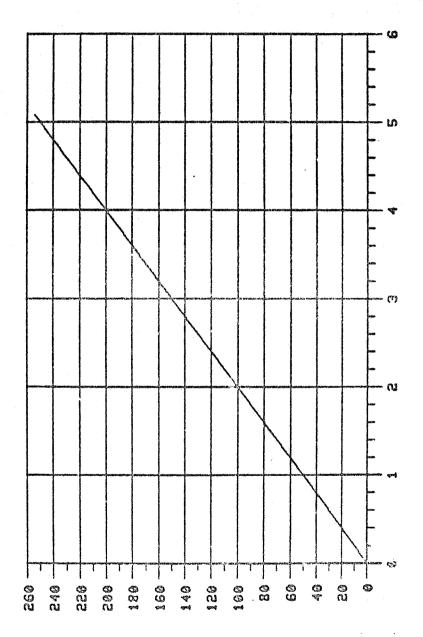


ENGINEERING UNITS

トミしほれるてなり らりひだすら

COUNTS US ENGINEERING UNITS FOR ZLUDURS

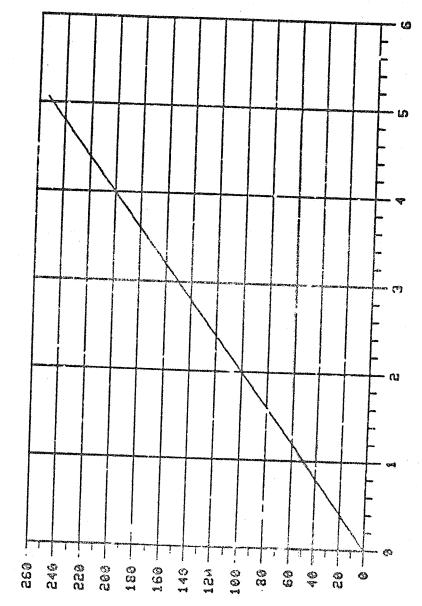
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS

トローロにはトペン くりつストの

COUNTS US ENGINEERING UNITS FOR ZRMAATC



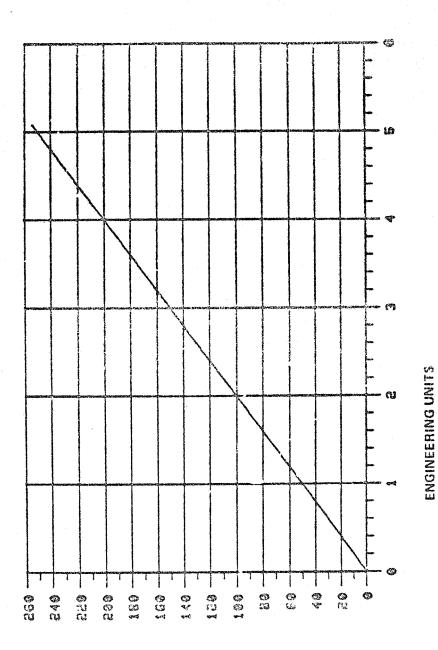
ENGINEERING UNITS

トピーピーピー くりしょうしゅ

COUNTS US ENGINEERING UNITS FOR ZRMACTC

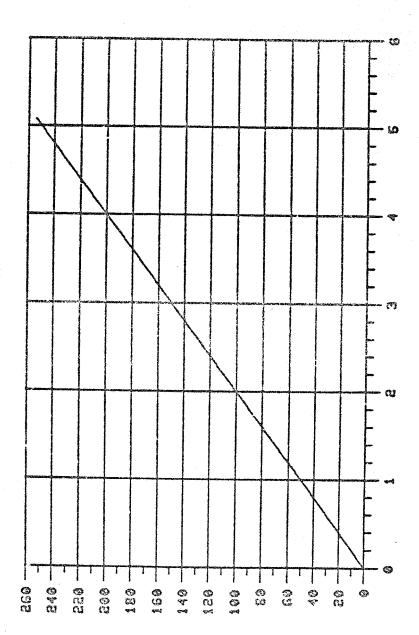
COUNTS US ENGINEERING UNITS FOR ZRABATC

ORIGINAL PAGE IS OF POOR QUALITY



FULUEWFR> CODZEG

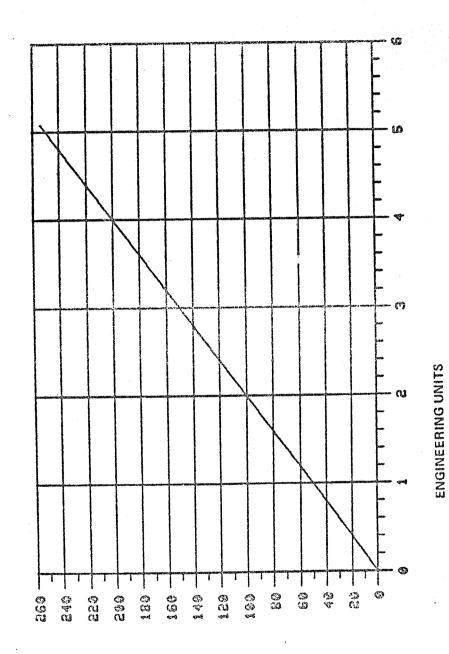
COUNTS US ENGINEERING UNITS FOR ZAMBDIC



**ENGINEERING UNITS** 

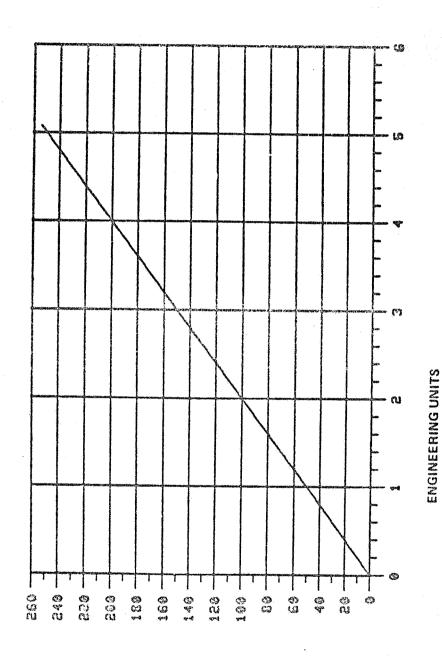
いしょうしょう くりしょう

CRIGINAL PAGE IS OF POOR QUALITY



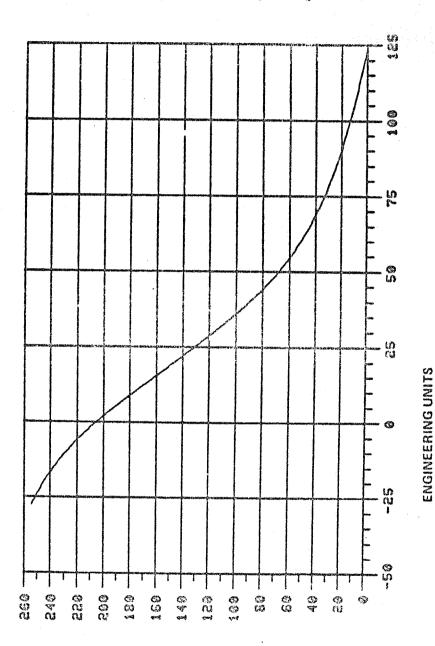
トほしほと しくりにてら

ORIGINAL PAGE IS OF POOR QUALITY



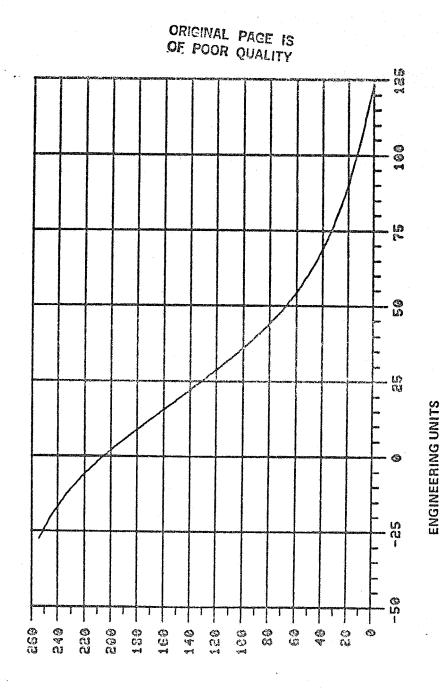
トピーピーピーペン くりつだけの

ORIGINAL PAGE IS OF POOR QUALITY



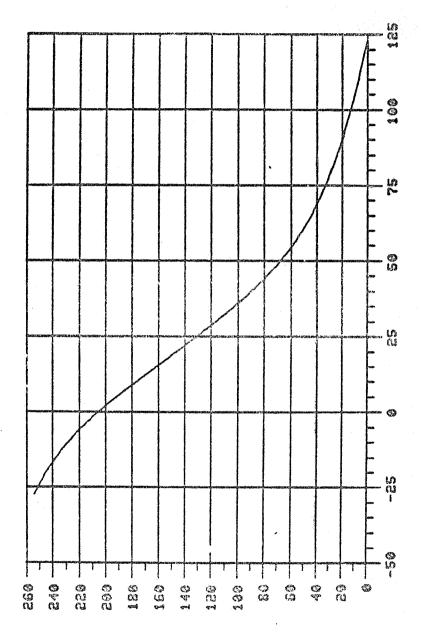
HUJUZUFED CODZEG

COUNTS US ENGINEERING UNITS FOR ZTIALIN



トピーピーにっと くりつぎょう

ORIGINAL PAGE IS OF POOR QUALITY

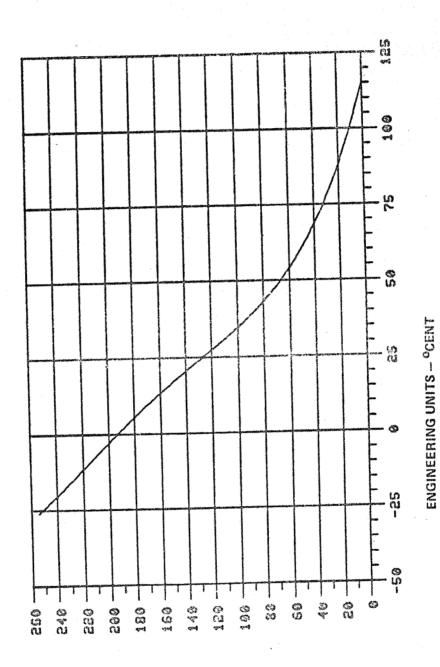


ENGINEERING UNITS - OCENT

トミしほにして くりしだすら

COUNTS US ENGINEERING UNITS FOR ZTIATHK

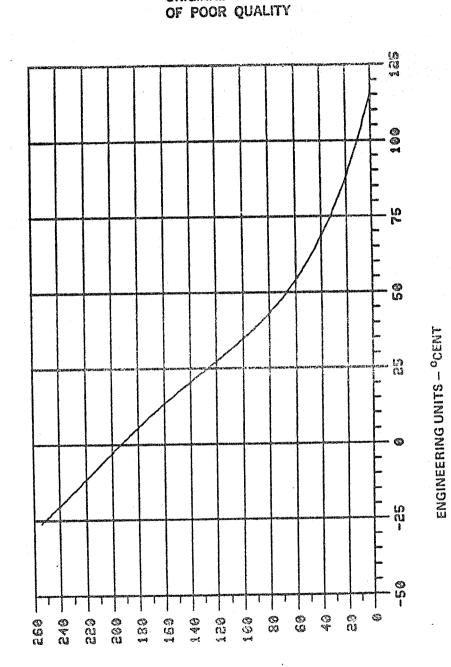
ORIGINAL PAGE IS OF POOR QUALITY



PERSON COSTEN

COUNTS US ENGINEERING UNITS FOR ZIBHCTR

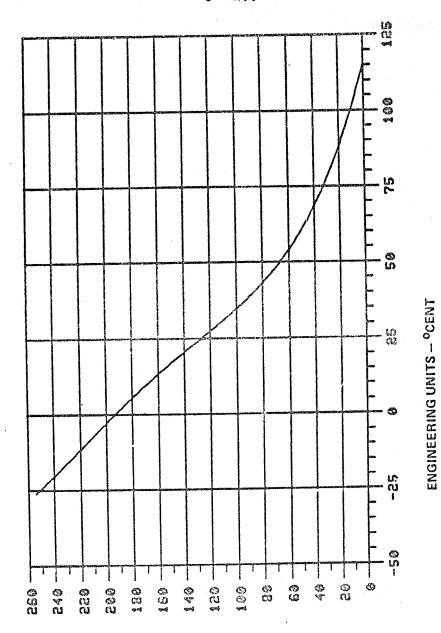
COUNTS US ENGINEERING UNITS FOR ZTBARMAB



ORIGINAL PAGE IS

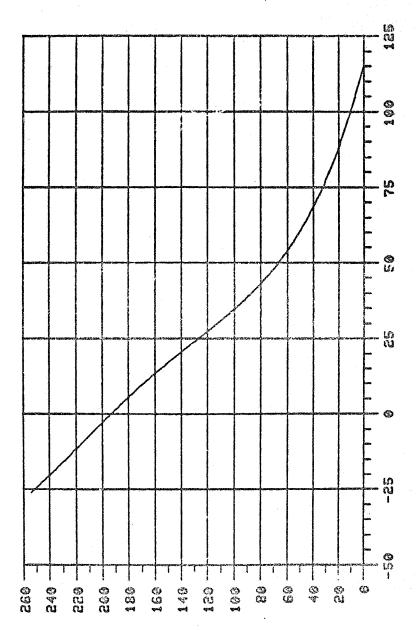
PMTMEMPED CODEPU

ORIGINAL PAGE IS OF POOR QUALITY



PULUEUPES CODZEG

OF POOR QUALITY

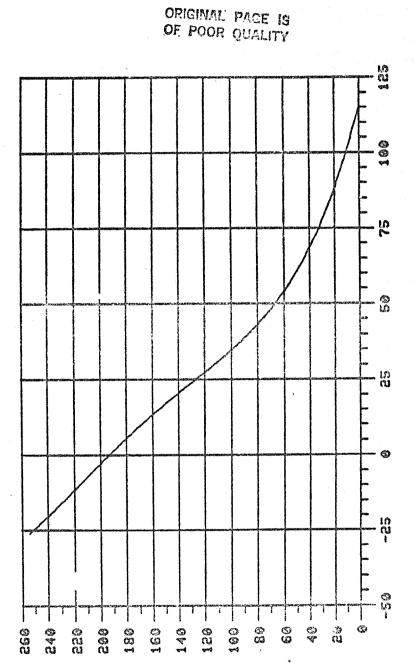


ENGINEERING UNITS - OCENT

HULLON COUZEN

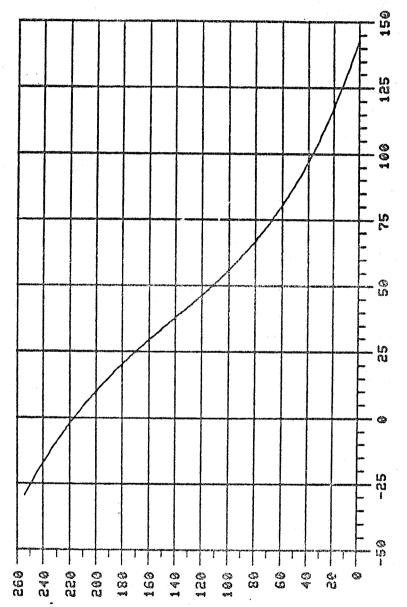
COUNTS US ENGINEERING UNITS FOR ZTLUZLUS

COUNTS US ENGINEERING UNITS FOR ZTLU3LUG



ENGINEERING UNITS - "CENT

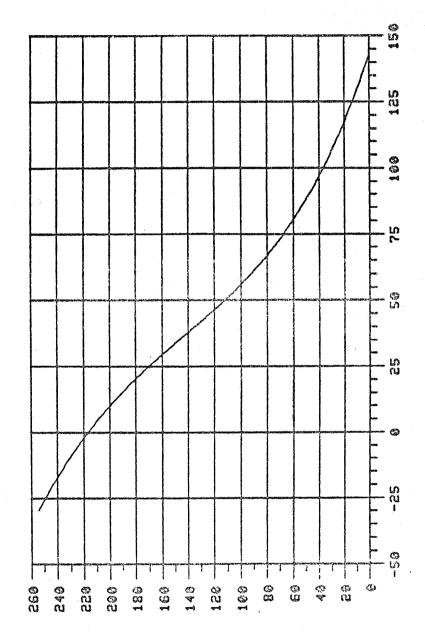
PHIMEMPR> CODEPA



ENGINEERING UNITS - OCENT

トய」はまはトベン ひつごとの

COUNTS US ENGINEERING UNITS FOR ZTRMA1A3

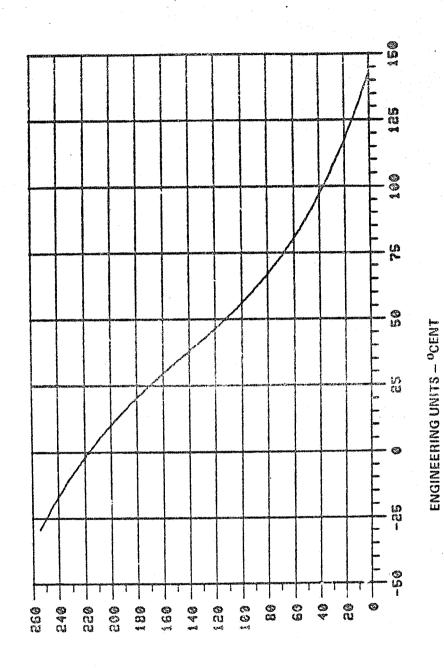


ENGINEERING UNITS - OCENT

PMURMPRD CODIEN

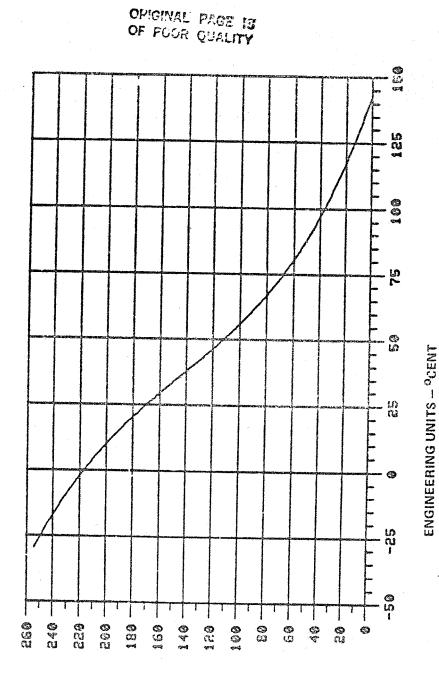
COUNTS US ENGINEERING UNITS FOR ZTRNARA4





PULLEUPC> COUZEO

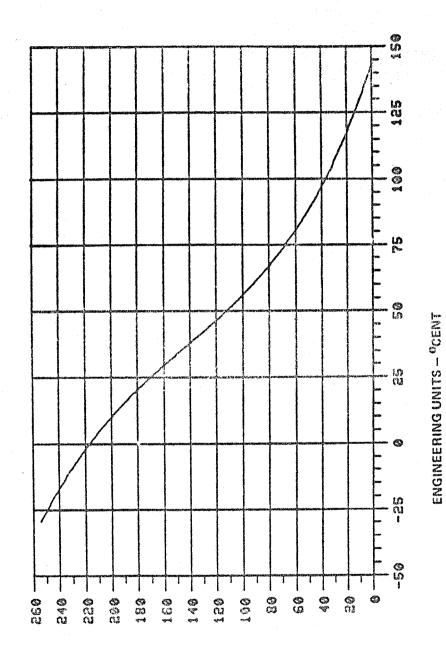
COUNTS US ENGINEERING UNITS FOR ZTRAB2B4



FUJUEUFK> CODZEG

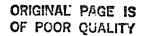
COUNTS US ENGINEERING UNITS FOR ZTRNC1C3

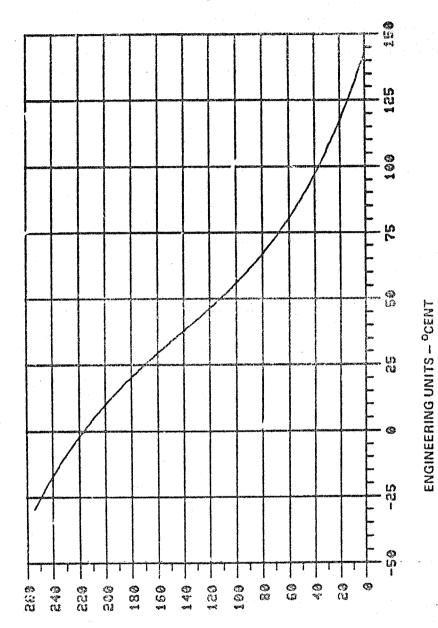
ORIGINAL PAGE IS OF POOR QUALITY



トピーにといっ くりコストの

COUNTS US ENGINEERING UNITS FOR ZTRHC2C4

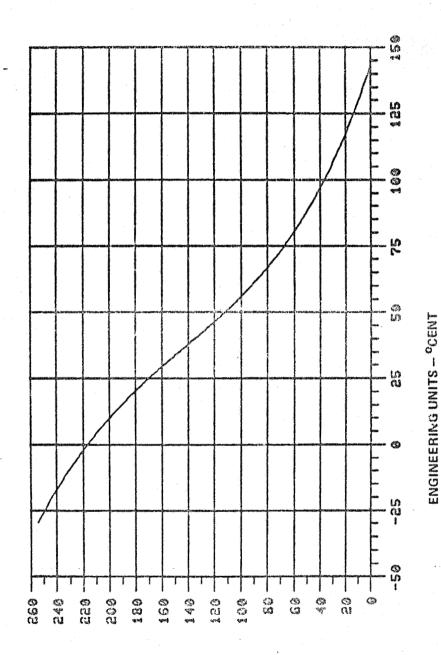




PURUEUFES CODZES

COUNTS US ENGINEERING UNITS FOR ZTRMD1D3

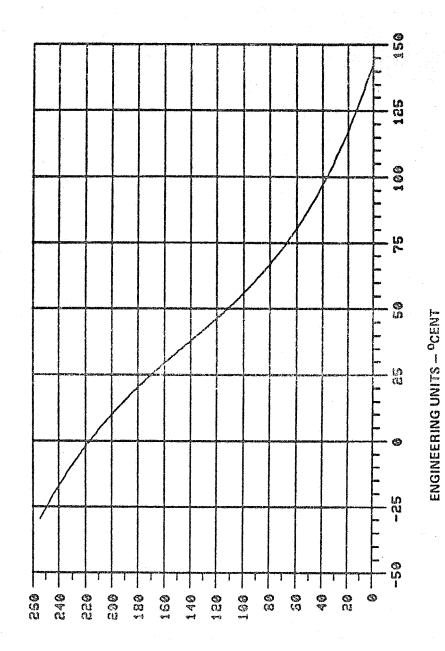
ORIGINAL PAGE IS OF POOR QUALITY



FULUEMPES CODEFU

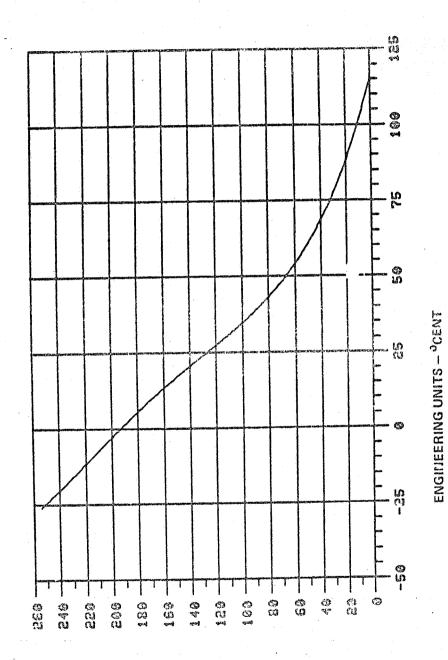
COUNTS US ENGINEERING UNITS FOR ZTRADED4

ORIGINAL PAGE IS-OF POOR QUALITY



トニーロアニース> 00コエトの

ORIGINAL PAGE IS OF POOR QUALITY

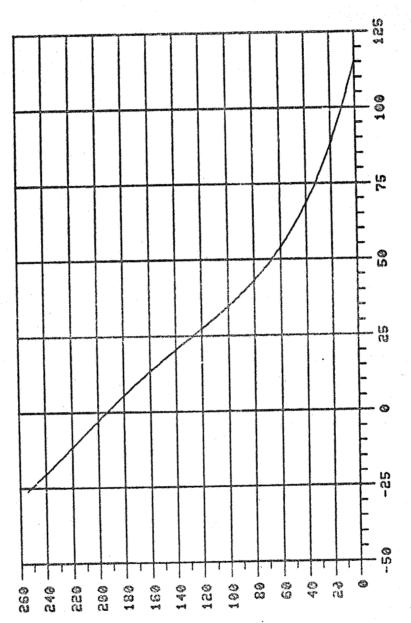


PUJUEUPES CODZEG

COUNTS US ENGINEERING UNITS FOR ZTTANKI

COUNTS US ENGINEERING UNITS FOR ZTTANKE

ORIGINAL FACE IS OF POOR QUALITY

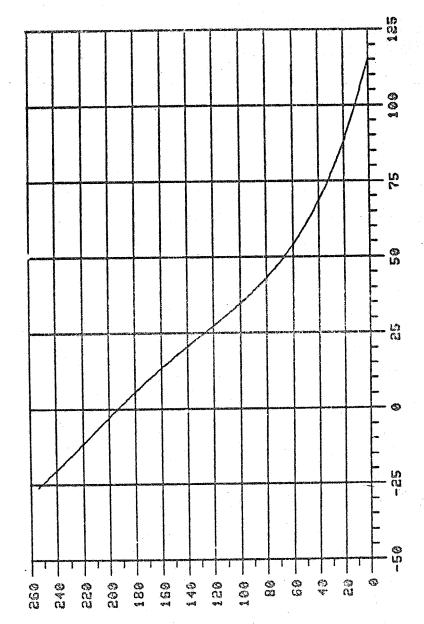


ENGINEERING UNITS - OCENII

HUJUEULES CODEFO

COUNTS US ENGINEERING UNITS FOR ZITANKE

ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - OCENT

トミーに くりしんてん

## ORIGINAL PAGE IS OF POOR QUALITY

SVS-10266/3A Appendix A Junc 1982

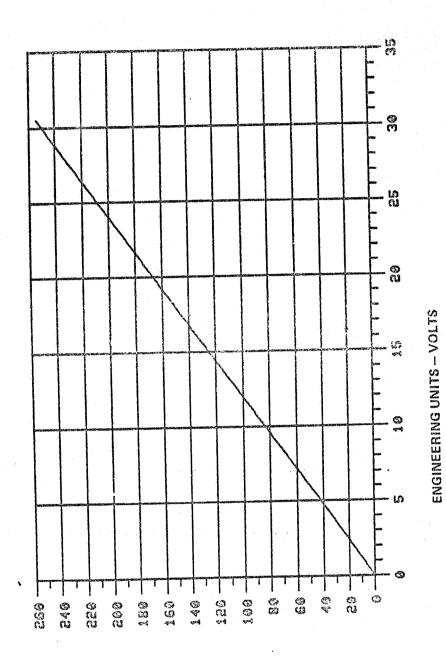
## APPENDIX A.8

SIGNAL CONDITIONING AND CONTROL UNIT (SCACU) TELEMETRY CALIBRATION DATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

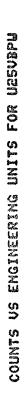
```
SCCU CONV. DEF.
 **************
POINT
          U25VAPW
                      ; SC & CU +25V A POWER in volts
COEFF
          U25VAPW
                        0.0, 0.12
          U25VBPW
POINT
                        SC & CU +25V B POWER in volts
COEFF
          U25VBPW
                        0.0,0.12
POINT
          U5 VAPWR
                        SC & CU +5V A POWER in volts
          U5VAPWR
                        0.0,0.04
COEFF
POINT
          U5VAPWRO
                        SCU A OFF in
COEFF
          U5VAPWRO
                        0.0,0.04
POINT
          U5 VBPWR
                         SC & CU +5V B POWER in volts
COEFF
          U5VBPWR
                        0.0,0.04
POINT
          U5VBPWR0
                        SCU B OFF in
COEFF
          U5V BPWRO
                        0.0,0.04
POINT
          UTIMMS
                        SPACECRAFT STRUCTURE TEMP 1 in deg. centigrade
                         .1005E+3,-.2128E+1,.2547E-1,-.1777E-3,.6155E-6,-.8437E-9
COEFF
          UTIMMS
                        SPACECRAFT STRUCTURE TEMP 2 in deg. centigrade
POINT
          UT2MMS
                        .1005E+3,-.2128E+1,.2547E-1,-.1777E-3,.6155E-6,-.8437E-9
SPACECRAFT STRUCTURE TEMP 3 in deg. centigrade
          UT2MMS
COEFF
POINT
          UT3MMS
                        .1005E+3,-.2128E+1,.2547E-1,-.1777E-3,.6155E-6,-.8437E-9
SPACECRAFT STRUCTURE TEMP 4 in deg. centigrade
COEFF
          UT3MMS
POINT
          UT4MMS
                        .1005E+3,-.2128E+1,.2547E-1,-.1777E-3,.6155E-6,-.8437E-9
SPACECRAFT STRUCTURE TEMP 5 in deg. centigrade
.1005E+3,-.2128E+1,.2547E-1,-.1777E-3,.6155E-6,-.8437E-9
COEFF
          UT4MMS
POINT
          UT5MMS
COEFF
          UT5MMS
POINT
          UT6MMS
                      ; SPACECRAFT STRUCTURE TEMP 6 in deg. centigrade
COEFF
          UT6MMS
                         .1005E+3,-.2128E+1,.2547E-1,-.1777E-3,.6155E-6,-.8437E-9
POINT
          UTRIUA
                      ; RIU 04A TEMPERATURE in deg. centigrade
                      , 123.41,-2.073,.02265739,-.0001514293..5173663E-06,-.7163077E-09
COEFF
          UTRIUA
POINT
          UTRIUB
                      ; RIU 04B TEMPERATURE in deg. centigrade
                      , 123.41,-2.073,.02265739,-.0001514293,.5173663E-06,-.7163077E-09
COEFF
          UTRIUB
                      ; SC & CU TEMPERATURE in deg. centigrade
POINT
          UTSCCU
COEFF
          UTSCCU
                      , 123.41,-2.073,.02265739,-.00015143,.517366E-6,-.71631E-9
```

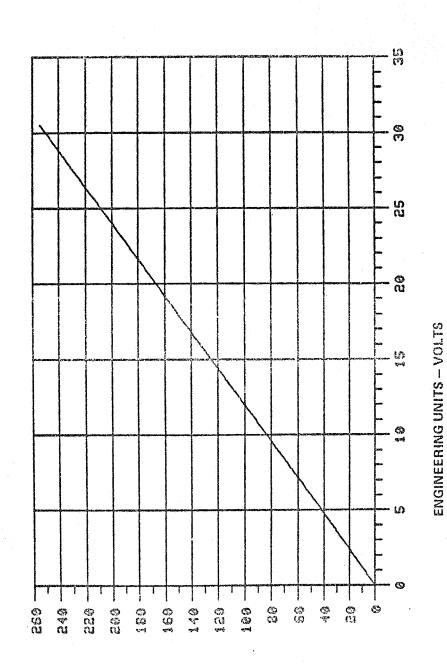
CEICIMAL PAGE IS OF POOR QUALITY



PULUEUPK> CODEFO

COUNTS US ENGINEERING UNITS FOR UBSVAPU

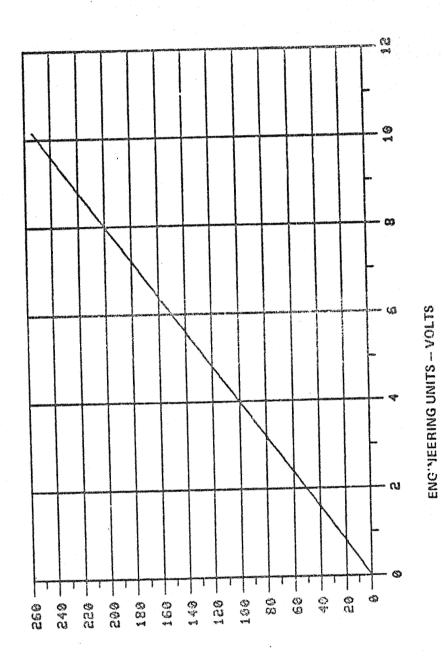




いっちょう くりつばん しゅうしょう

A O . 4

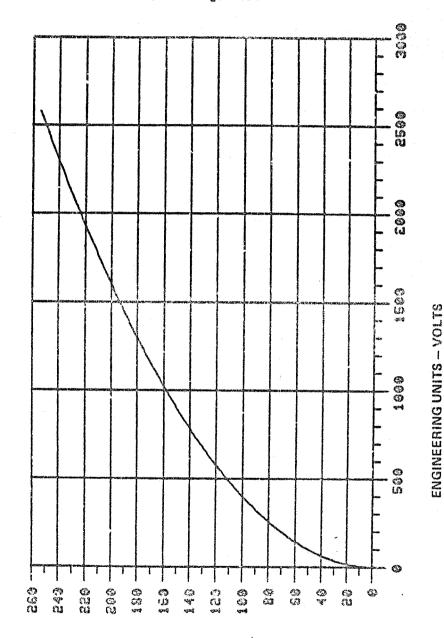
ORIGINAL PAGE IS OF POOR QUALITY



トミュログロースト くりつだトシ

COUNTS US ENGINEERING UNITS FOR USUAPUR

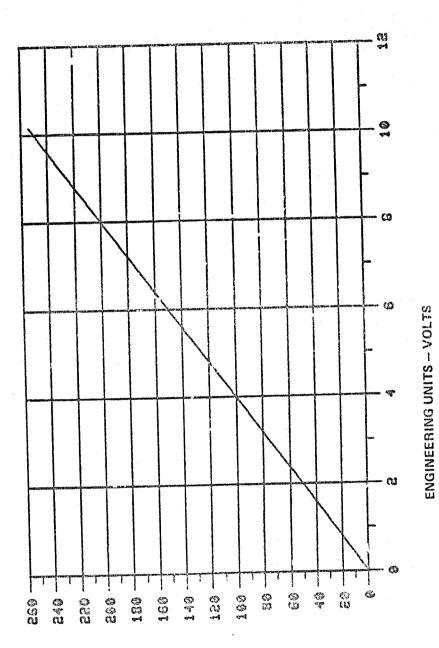
ORIGINAL PAGE IS OF POOR QUALITY



トビーロン くりっぱん ひっしょう

C-4

ORIGINAL PAGE IS DE POOR QUALITY



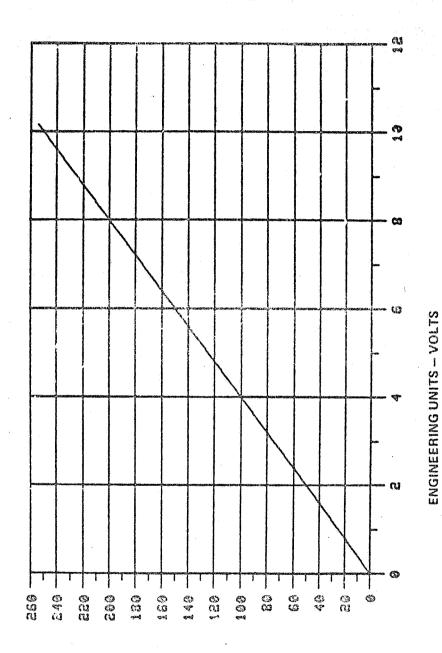
**ト四回回回には つりコエトの** 

COUNTS US ENGINEERING UNITS FOR USUBPUR

A. 8-7

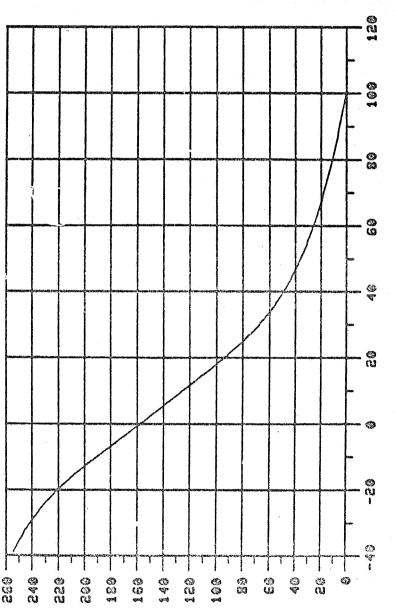
COUNTS US ENGINEERING UNITS FOR USUBPURO

ORIGINAL PAGE IS OF POOR QUALITY



PULLOO CALMEMPH

ORIGINAL PAGE IS

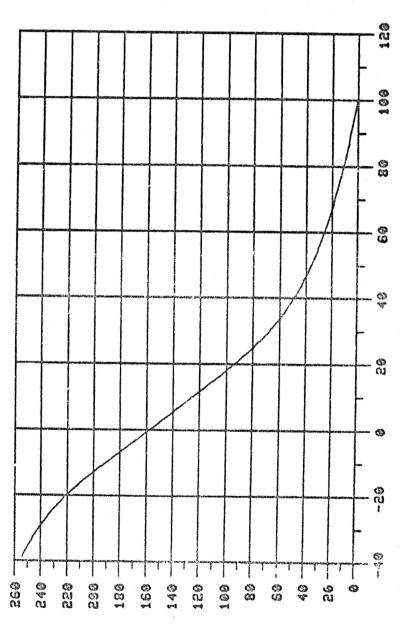


engineering units – <sup>9</sup>cent

HUJUEUHA> OODEHA

COUNTS US ENGINEERING UNITS FOR UTIMBS

ORIGINAL PAGE IS OF POOR QUALITY



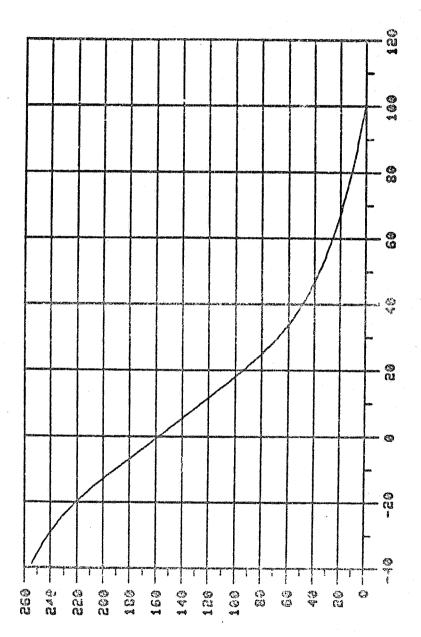
ENGINEERING UNITS - OCENT

トミースト くりしれてら

COUNTS US ENGINEERING UNITS FOR UTERMS

A.8-10

ORIGINAL PAGE IS OF POOR QUALITY



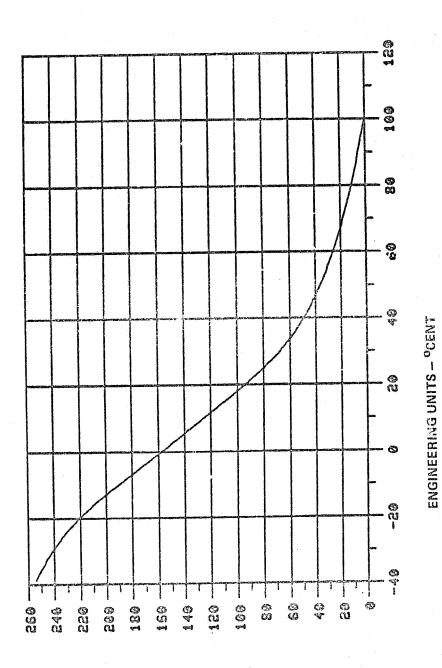
トルニロをはトピン ひつコアーの

COUNTS US ENGINEERING UNITS FOR UTJAMS

ENGINEERING UNITS - OCENT

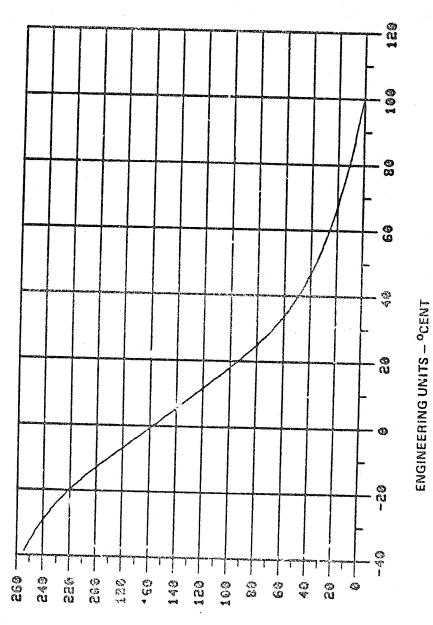
A.8 11

COUNTS US ENGINEERING UNITS FOR UTAMMS



トルコルミュース> ひつコエーの

OFIGINAL PAGE IS OF POOR QUALITY

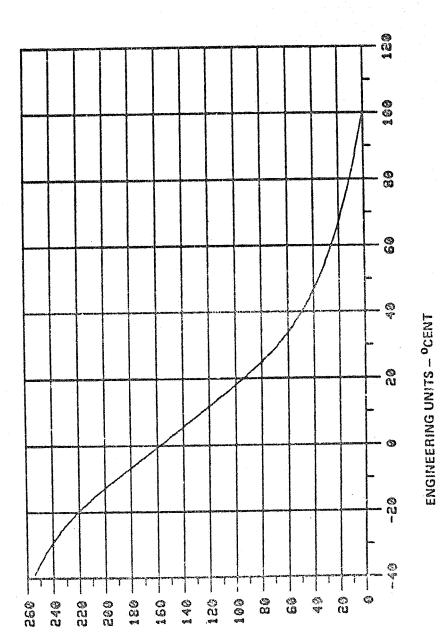


HULUEMPER CODIFO

COUNTS US ENGINEERING UNITS FOR UTSAMS

71 B.A

ORIGINAL PAGE IS

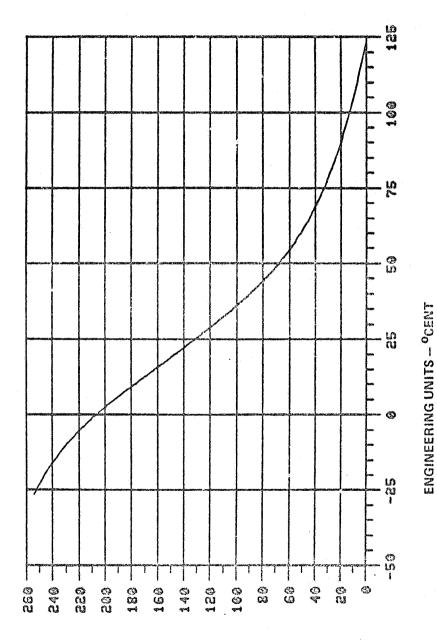


PULLUEMPES CODEFO

COUNTS US ENGINEERING UNITS FOR UTGMMS

A.8 14

OF POOR QUALITY

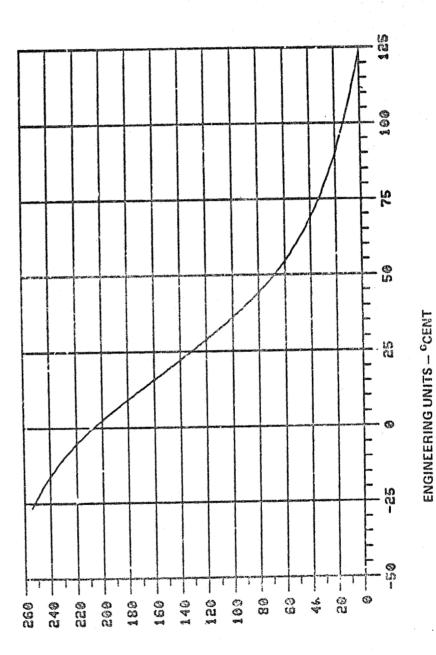


トローロエロトは> 00コストの

COUNTS US ENGINEERING UNITS FOR UTRIUR

A.8 15

ORIGINAL PAGE IS OF POOR QUALITY



NETTO CALMENTA

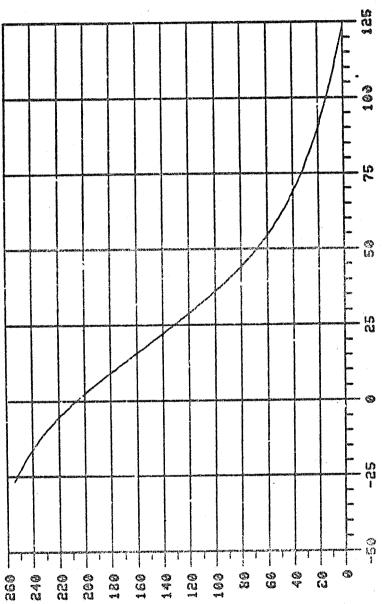
COUNTS US ENGINEERING UNITS FOR UTRIUB

9

A.B. 16

ENGINEERING UNITS - OCENT

ORIGINAL PAGE IS OF POOR QUALITY



HUJUEUFES COSEFO

COUNTS US ENGINEERING UNITS FOR UTSCCU

A.8-17

CRIGINAL PACIT IS OF PUOR QUALITY

SVS-10266/3A Appendix A June 1982

## AFPENDIX A.9

## MCDULAR POWER SYSTEM (MPS) TELEMETRY CALIBRATION DATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

LSD-WPC-263

## ORIGINAL PAGE IS OF POOR QUALITY

MPS CONY. DEF.

COEFF

PTBPA

\*\*\*\*\*\*\*\*\*\*\*\*

```
PM POINT
                    DEF.
                    ; MACS PM CURRENT in
POINT
         PIACS
COEFF
         PIACS
                      80.0,0.0
POINT
                      BATT 1 HIGH CURRENT in
         PIBIHI
                      -50.0,0.4
COEFF
         PIBIHI
POINT
         PIBILO
                      BATT I LOW CURRENT in
         PIB1L0
                      0.0.0.0119522
COEFF
                      BATT 2 HIGH CURRENT in
POINT
         PIB2HI
COEFF
         PIB2HI
                      -50.0.0.4
                      BATT 2 LOW CURRENT in
POINT
         PJB2L0
                      0.0.0.012
COEFF
         PIB2LO
                      BATT 3 HIGH CURRENT in
POINT
         PIB3HI
                      -50.0,0.4
COEFF
         PIB3HI
                      RATT 3 LUW CURRENT in
POINT
         PIB3LO
                      0.0,0.0119522
COEFF
         PIB3L0
POINT
         PICDH
                     CDH CURRENT in
         PICDH
                      80.0.0.0
COEFF
                      INSTRUMENTS HIGH CURRENT in
POINT
         PIIMHI
         PIIMHI
                      0.0.0.5
COEFF
DOINT
         PIIMLO
                     INSTRUMENT LOW CURRENT in
                      0.0,0.196078
COEFF
         PIIMLO
                     CS 1 ARRAY/GND PWR CURRENT in
         PISAL
POINT
COEFF
         P1SA1
                      0.0,0.2
                     CS 2 ARRAY/GND PWR CURRENT in
POINT
         PISA2
COEFF
         PISA2
                      0.0.0.199203
POINT
         PISCCU
                      SCCU MPS CURRENT in
         PISCCU
COEFF
                      0.0,0.08
         PITLI
                      TOTAL LOAD CURRENT 1 in
POINT
                      0.0,0.600
COEFF
         PITLI
         PITL2
                      TOTAL LOAD CURRENT 2 in
POINT
COEFF
         PITL2
                      0.0,0.600
POINT
         PITL3
                      TOTAL LOAD CURRENT 3 in
COEFF
         PITL3
                      0.0,0.600
                      TOTAL LOAD CURRENT 4 in
FOINT
         PITL4
COEFF
          PITL4
                      0.0,0.600
                      BATT 1 TEMP PRI in deg. centigrade
POINT
          PTBATIP
                      95.3429,-1.77372,.0186671,-1.2746E-4,4.6516E-7,-6.98108E-10
COEFF
          PTBAT1P
                      BATT 1 TEMP RED in deg. centigrade
POINT
          PTBATIR
                      95.3429,-1.77372,.0186671,-1.2746E-4,4.6516E-7,-6.98108E-10
          PTBATIR
COEFF
                      EATT 2 TEMP PRI in deg. centigrade
POINT
          PTBAT2P
                      95.3429,-1.77372,.0186671,-1.2746E-4,4.6516E-7,-6.98108E-10
          PTBAT2P
COEFF
          PTBATZR
                      BATT 2 TEMP RED in deg. centigrade
POINT
                      95.3429,-1.77372,.0186671,-1.2746E-4,4.6516E-7,-6.98108E-10
COEFF
          PTBATZR
                      BAT! 3 TEMP PRI in deg. centigrade
POINT
          PTBAT3P
CUEFF
                      95.3429.-1.77372..0186671.-1.2746E-4.4.6516F-7,-6.98108E-10
          PTBAT3P
          PTBAT3R
                      BATT 3 TEMP RED in deg. centigrade
POINT
COEFF
          PTBAT3R
                      95.3429,-1.77372,.0186671,-1.2746E-4,4.6516E-7,-6.98108E-10
                      BPA TEMP in deg. centigrade
POINT
          PTEPA
```

95.3429.-1.77372..0186671.-1.2746E-4.4.6516E-7.-6.98108E-10

## ORIGINAL PAGE IS OF POOR QUALITY

```
POINT
         PTMPSI
                      MOD TEMP 1 in deg. centigrade
                       95.3429,-1.77372,.0186671,-1.2746E-A.4.6515E-7,-6.98108E-10
COEFF
         PTIPSI
POINT
         PTMP SZ
                       MOD TEMP 2 in deg. centigrade
COEFF
         PTHP S2
                       95.3429,-1.77372,.0186671,-1.2746E-4,4.6516E-7,-6.98108E-10
                      MOD TEMP 3 in deg. centigrade 95.3429,-1.77372,.0186671,-1.2746E-4,4.6516E-7,-6.98108E-10
POINT
         PTHP S3
COEFF
         PTMPSJ
POINT
         PTMP SA
                       MOD TEN? 4 in deg. centigrade
                       95.3429,-1.77372,.0186671,-1.2746E-4,4.6516E-7,-6.98108E-10
          PTMP S4
COEFF
POINT
         PTPCUI
                       PCU TEMP 1 in deg. centigrade
COEFF
          PTPCU1
                       95.3429,-1.77372,.0186671,-1.2746E-4,4.6516E-7,-6.38108E-10
POINT
         PTPCU2
                       PCU TEMP 2 in deg. centigrade
                       95.3429,-1.77372,.0186671,-1.2746E-4,4.6516E-7,-6.98108E-10
CCEFF
          PTPCU2
                       PCU TEMP 3 in deg. centigrade
POINT
         PTPCU3
                       95.3429,-1.77372,.0186671,-1.2746E-4,4.6516E-7,-6.98108E-10
COEFF
          PTFCU3
                       SCA TEMP in deg. centigrade
95.3429,-1.77372,.0186671,-1.2746E-3,4.6516E-7,-6.98108E-10
         PTSCA
POINT
COEFF
          PTSCA
                       PRU TEMP in deg. centigrade 95.3429,-7.77372,.0186671,-1.2746E-4,4.6516E-7,-6.98108E-10
POINT
          PTSPRU
          PTSPRU
COEFF
                       BATT I 3RD ELECTRODE VOLTAGE in volts
POINT
          PA3PDE1
COEFF
          PV3RDE1
                       0.2.0
          PV3RDE2
                       BATT 2 3RD ELECTRODE VOLTAGE in volts
POINT
          PV3RDE2
COEFF
                       0,2.0
POINT
          PV3RDE3
                       BATT 3 3RD ELECTRODF VOLTAGE in volts
COEFF
          PV3RDE3
                       0.2.0
          PYBATI
                       BATT I VOLTAGE in
POINT
                       0.0.0.16
COEFF
          PVPAT1
                       BATT 2 VOLTAGE in
POINT
          PVBATZ
          PVEATZ
                       0.0,0.16
COEFF
                       BATT 3 VOLTAGE in
POINT
          PVBATS
COEFF
          PVBAT3
                       0.0,0.16
POINT
          PYDIFE1
                       BATT 1 DIFFERENTIAL VOLTAGE in
          PVDIFB1
                       -700,5.6
COEFF
POI NT
          PVDIFB2
                       BATT 2 DIFFERENTIAL VOLTAGE in
          PVDIFB2
COEFF
                       -700,5.6
POINT
          PVDIFB3
                       BATT 3 DIFFERENTIAL VOLTAGE in
COEFF
          PYDIFB3
                       -700,5.6
POINT
          PYLB
                       LOAD BUS VOLTAGE in
COEFF
          PYLB
                       0.0.16
POINT
          PVSA
                       SCLAR ARRAY BUS VOLTAGE in
                       ..0,0.5
          PVSA
COEFF
POINT
          PVSCACA
                      SCA DC/DC CONV A VOLTAGE in
                     , 0,0.020
COEFF
          PVSCACA
                     ; SCA DC/DC CONV B VOLTAGE in
POINT
          PVSCACB
COEFF
          PVSCACB
                     0.0.020
```

COUNTS US ENGINEERING UNITS FOR PIACS

ENGINEERING UNITS - AMPS

FUJUEUFE> CODZEG

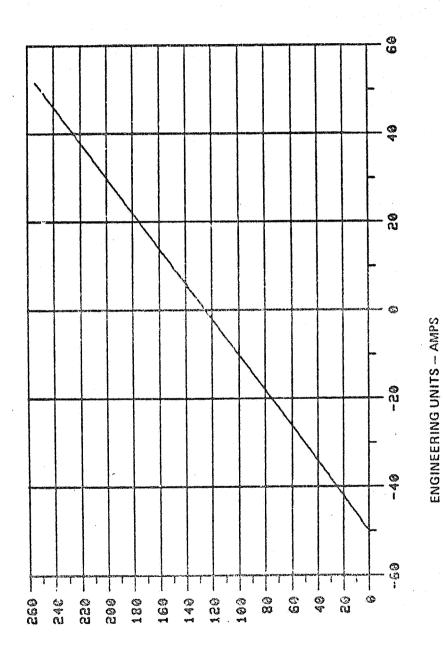
 0 B

ල ල () 4 () ()

0 8 8 8 8 8

A. 9-4

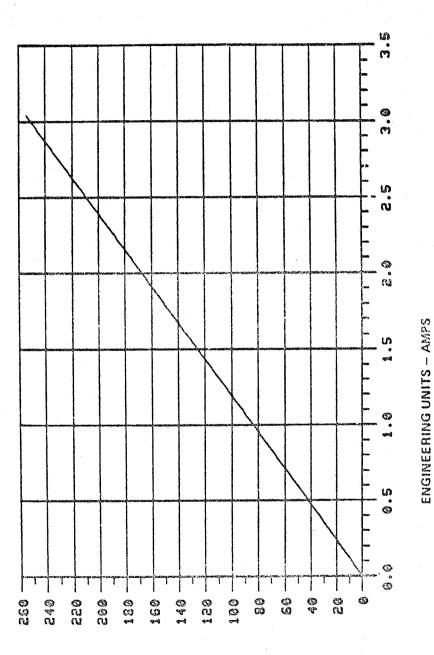
ORIGINAL PAGE IS OF POOR QUALITY



-WJMZM-C>

COUNTS US ENGINEERING UNITS FOR PIBIHI

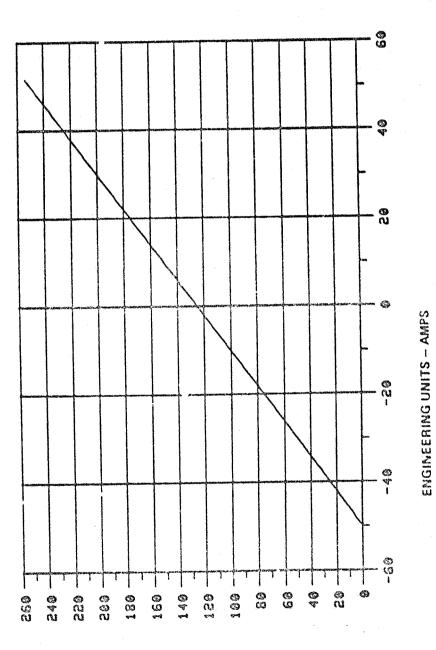
ORIGINAL PAGE IS OF POOR QUALITY



NAZEOO COAZEM

COUNTS US ENGINEERING UNITS FOR PIBILO

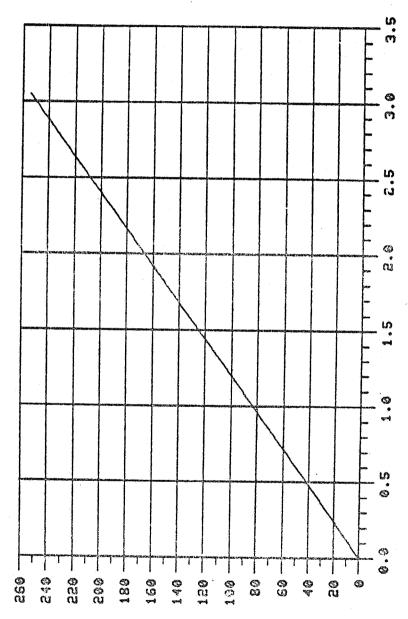
A. 9 4



COUNTS US ENGINEERING UNITS FOR PIBZHI

PHIMEMPRY CODEPA

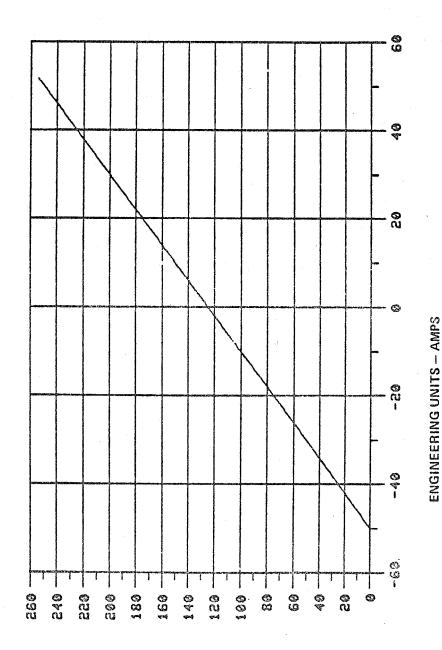
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - AMPS

トピーのとこと いっしょう

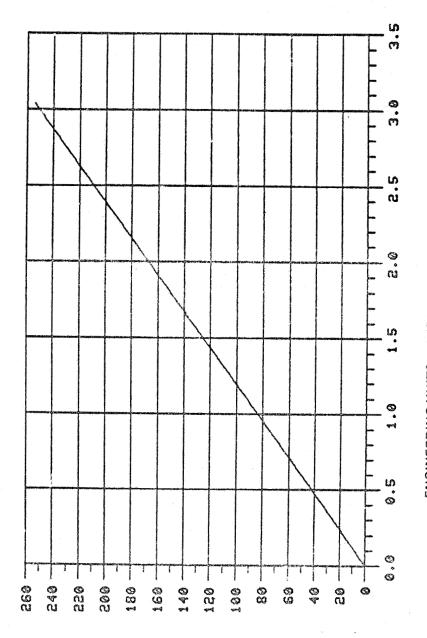
COUNTS US ENGINEERING UNITS FOR PIBZLO



-M-MEM-G> CODE-W

COUNTS US ENGINEERING UNITS FOR PIBAHI

ORIGINAL PAGE IS OF POOR QUALITY



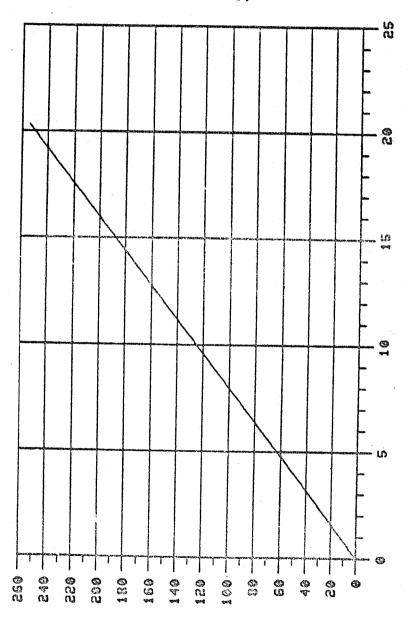
COUNTS US ENGINEERING UNITS FOR PIBBLO

トミしられるてなり くりりだすら

ENGINEERING UNITS - ANPS

ORIGINAL PACE 15 OF POOR QUALITY

-

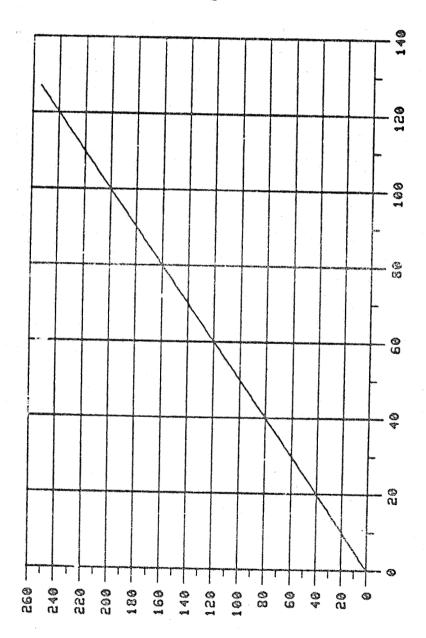


ENGINEERING UNITS - AMPS

トローロミロース> 00コエトの

COUNTS US ENGINEERING UNITS FOR PICEM

**P** 

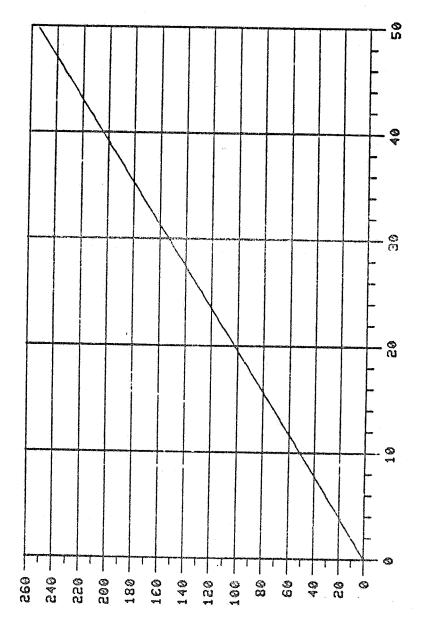


ENGINEERING UNITS - AMPS

トミーミドロトな> くりしだてら

COUNTS US ENGINEERING UNITS FOR PIIMHI

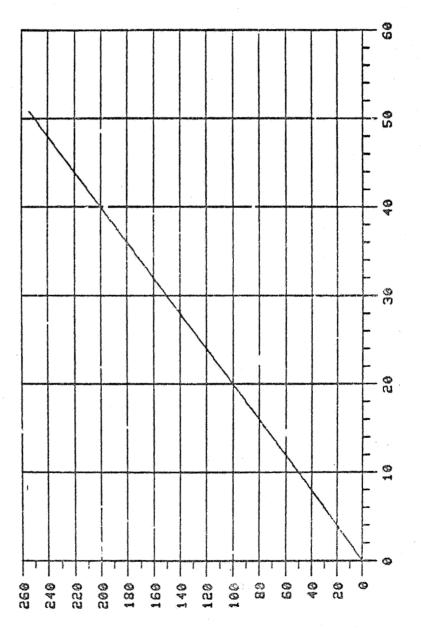
100



ENGINEERING UNITS - AMPS

トほしにこれて いりコメトシ

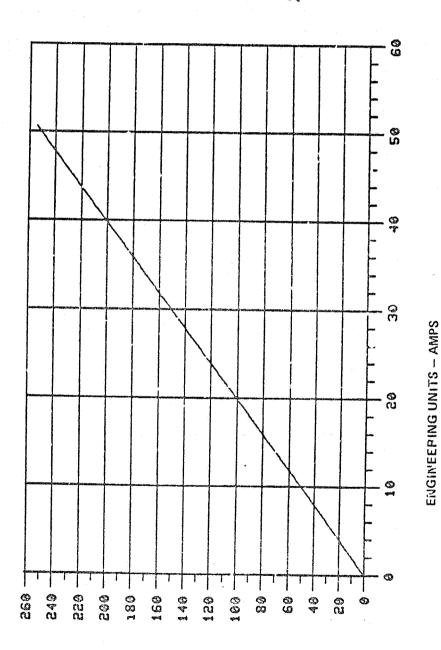
COUNTS US ENGINEERING UNITS FOR PIIMLO



ENGINEERING UNITS - AMPS

COUNTS US ENGINEERING UNITS FOR PISAL

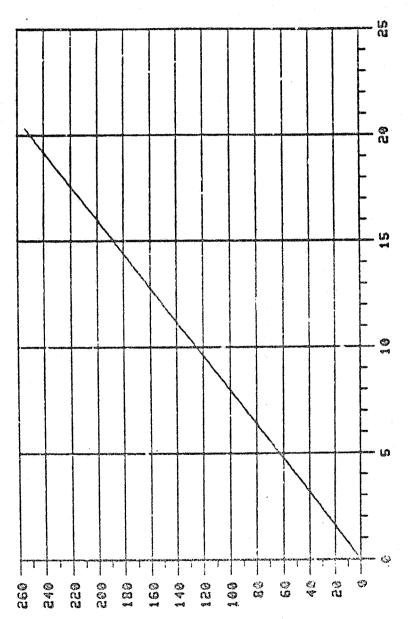
トミしにとして くりしだけら



COUNTS US ENGINEERING UNITS FOR PISAZ

HINTREMPES CODEFU

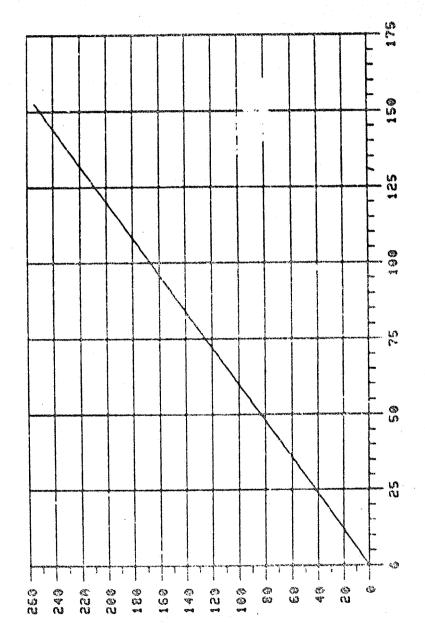
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - AMPS

COUNTS US ENGINEERING UNITS FOR PISCOU

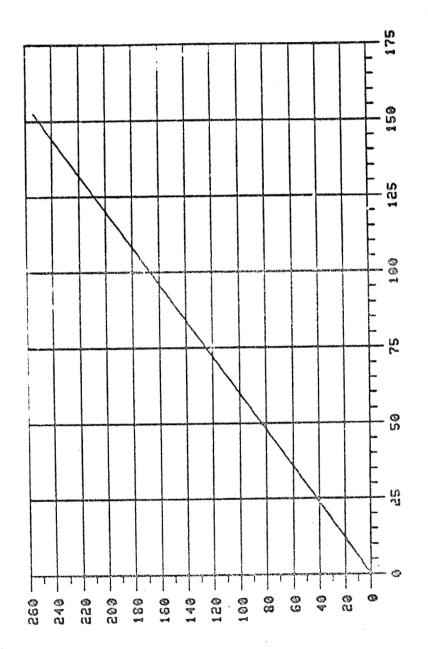
ORIGINAL PROFES
OF POOR QUALITY



ENGINEERING UNITS - AMPS

NAZCOO SIAMBMEMA

ORIGINAL PAGE IS OF POOR QUALITY



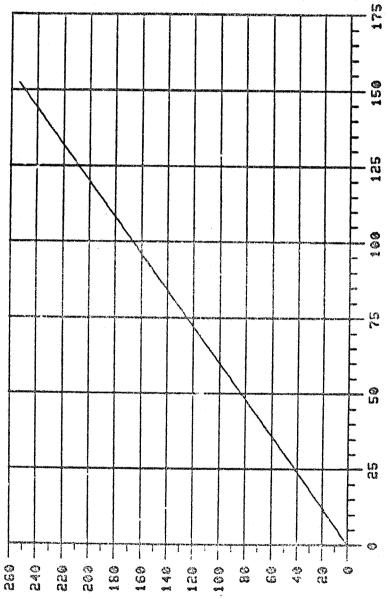
トロコロアロトな> ひりコアトの

COUNTS US ENGINEERING UNITS FOR PITLE

ENGINEERING UNITS - AMPS

ORIGINAL PAGE IS OF POOR QUALITY

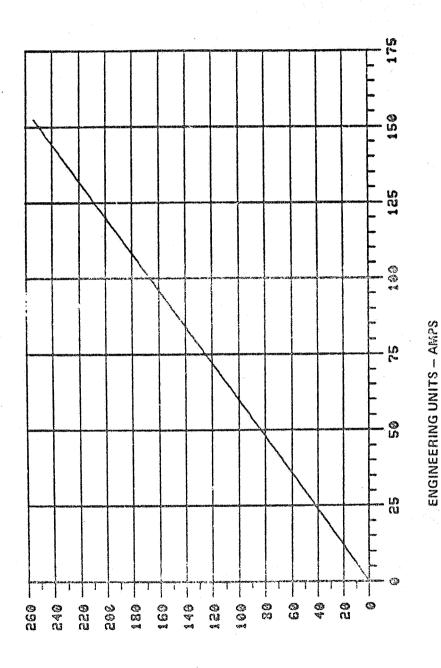
COUNTS US ENGINEERING UNITS FOR PITL3



HUJUEUHA CODZHO

ENGINEERING UNITS - AMPS

ORIGINAL PAGE IS OF POOR QUALITY

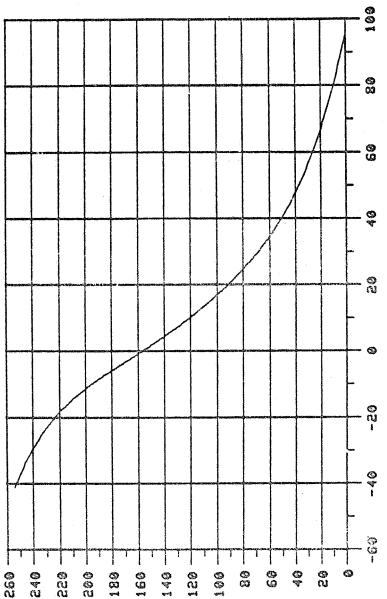


HULLENHES COSZEG

COUNTS US ENGINEERING UNITS FOR PITLA

A,9-20

ORIGINAL PAGE IS OF POOR QUALITY



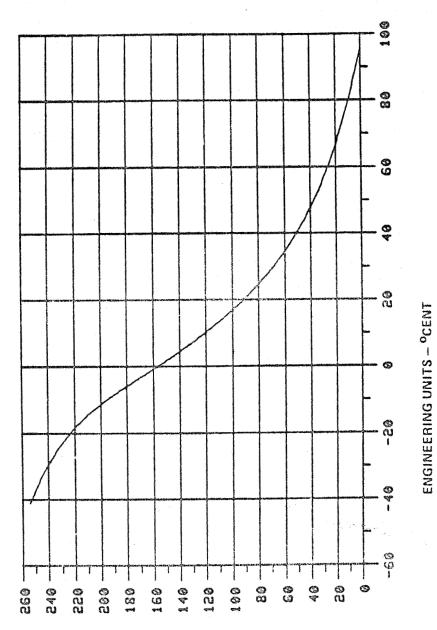
ENGINEERING UNITS - OCENT

HUJUEULK> CODELO

COUNTS US ENGINEERING UNITS FOR PTBATIP

A 0 5

ORIGINAL PAGE IS OF POOR QUALITY

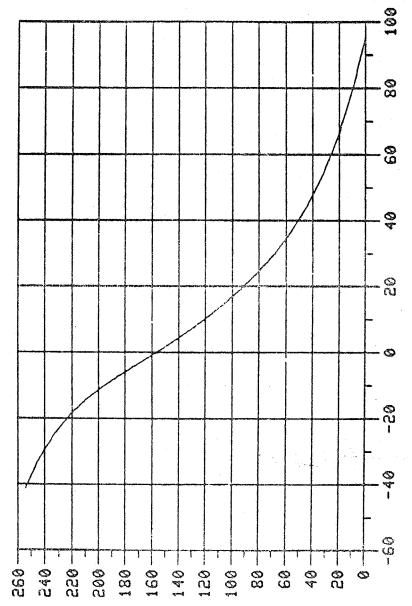


-WIWEWHEN CODEHO

COUNTS US ENGINEERING UNITS FOR PTBATIR

ENGINEERING UNITS - OCENT

ORIGINAL PAGE IS OF FOOR QUALITY

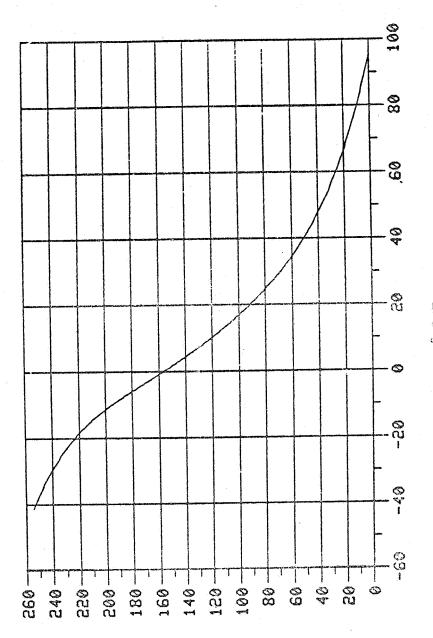


FULUEMFRY CODZEO

COUNTS US ENGINEERING UNITS FOR PTBATZP

V 0 24

ORIGINAL PAGE IS OF POOR QUALITY



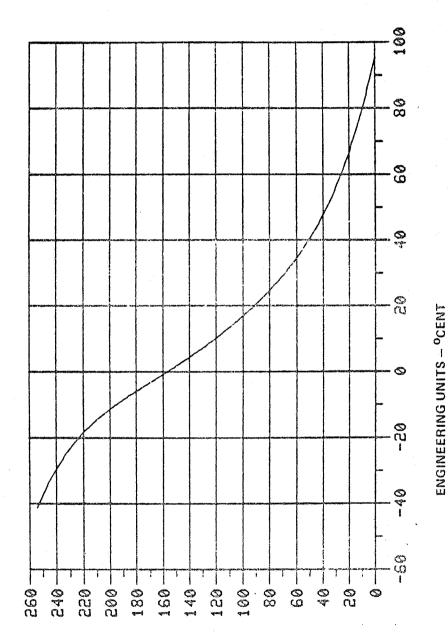
**下至し日日日日 ひりり以下ら** 

COUNTS US ENGINEERING UNITS FOR PTBATZR

ENGINEERING UNITS - °CENT

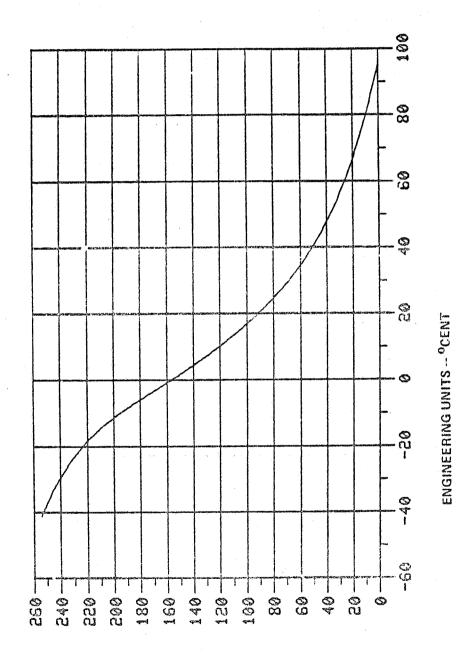
^ ~ ~ ~

ORIGINAL PAGE IS OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR PTBAT3P

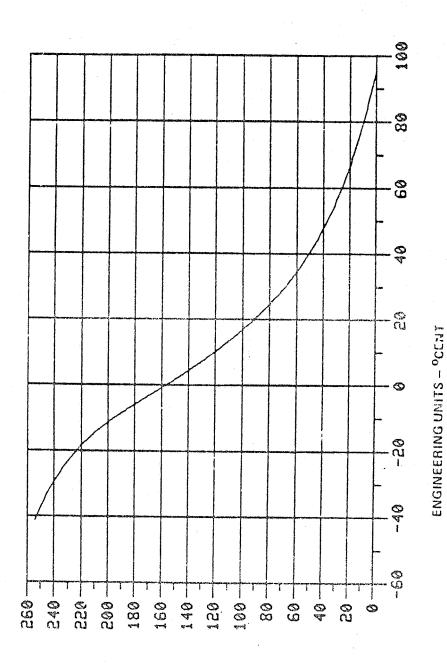
FM-MEMFR> CODING



COUNTS US ENGINEERING UNITS FOR PTBAT3R

FULUEWFOX CODZEN

ORICINAL PAGE IS OF POOR QUALITY

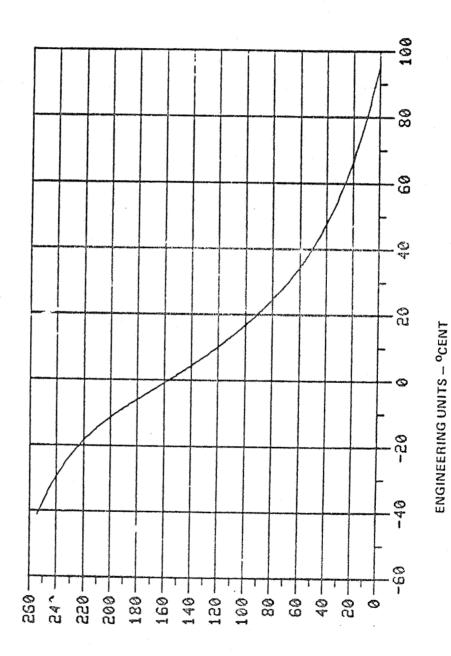


トミしられるてなり くりしれてら

COUNTS US ENGINEERING UNITS FOR PTBPA

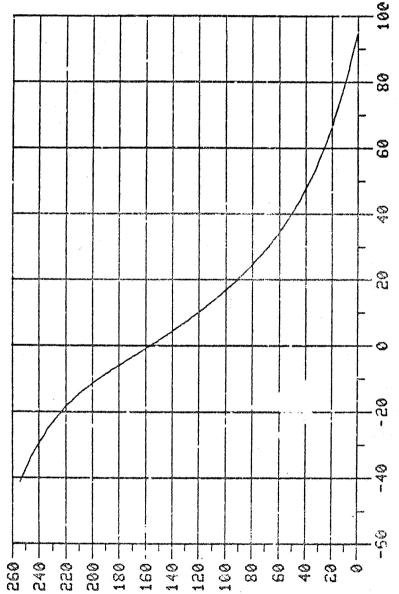
A 0\_00

1



トロンログローペン ひつづれての

COUNTS US ENGINEERING UNITS FOR PTMPS1

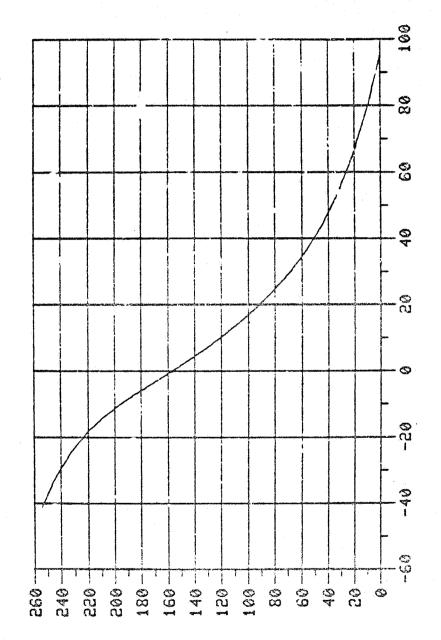


COUNTS US ENGINEERING UNITS FOR PTMPS2

ENGINEERING UNITS - OCENT

トロンログロースト ひつごとり

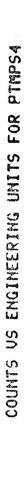
ORIGINAL PAGE IS . OF POOR QUALITY

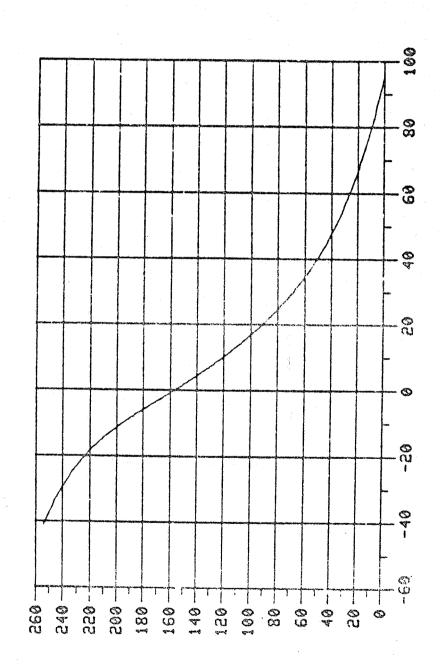


COUNTS US ENGINEERING UNITS FOR PTMPS3

ENGINEERING UNITS - OCENT

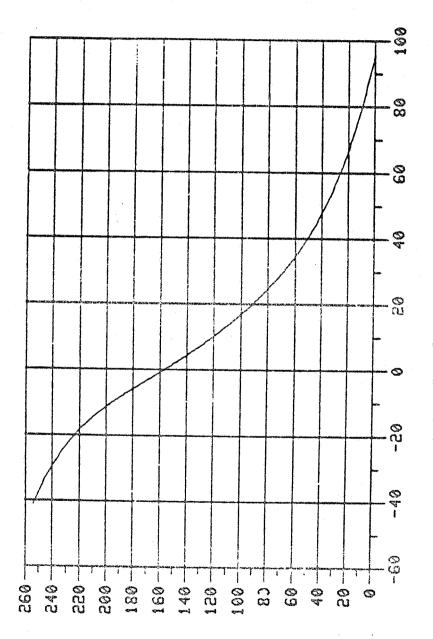
トローロにはトスシ くりコストの





ENGINEERING UNITS - OCENT

トモしらにとしなり くりひにてら

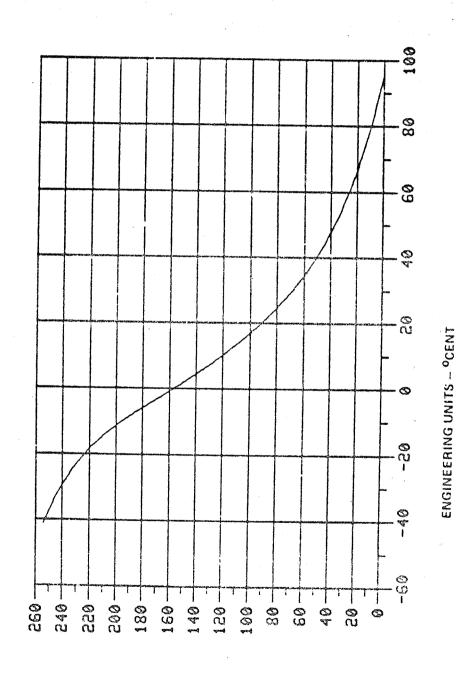


トモルミドラーの くりしばてら

COUNTS US ENGINEERING UNITS FOR PTPCUI

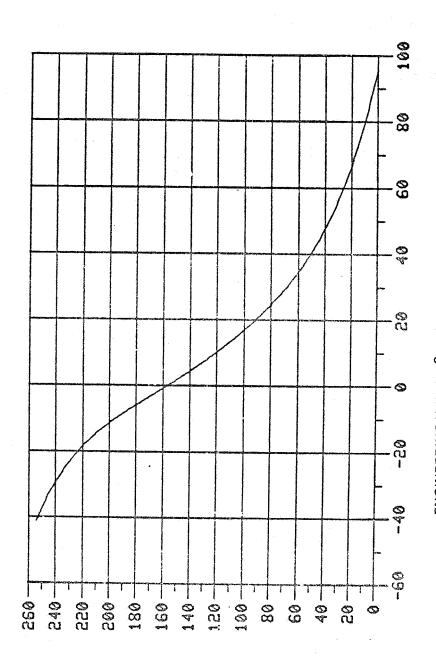
ENGINEERING UNITS – °CENT

COUNTS US ENGINEERING UNITS FOR PTPCUZ



トローロアローな> 00コエトの

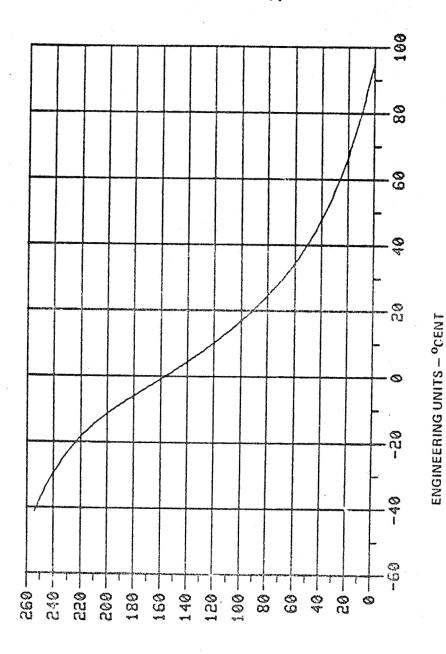
COUNTS US ENGINEERING UNITS FOR PTPCU3



トモーロスト くりしれてら

ENGINEERING UNITS - OCENT

ORIGINAL PAGE IS OF FOOR QUALITY

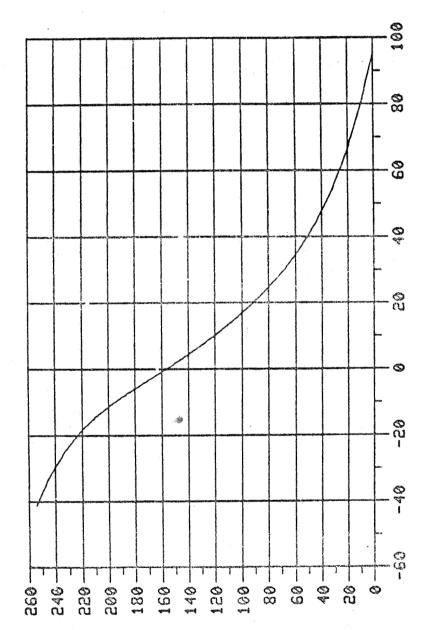


トローロミロトロン いつつストの

COUNTS US ENGINEERING UNITS FOR PTSCA

Δ 0.75

ORIGINAL PAGE IS OF POOR QUALITY

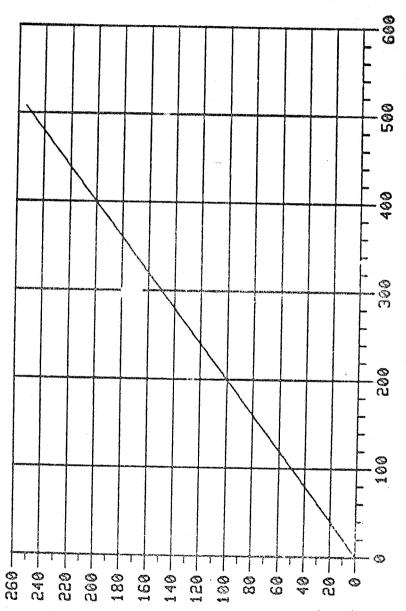


COUNTS US ENGINEERING UNITS FOR PTSPRU

ENGINEERING UNITS - OCENT

FULUEUFED CODZEG

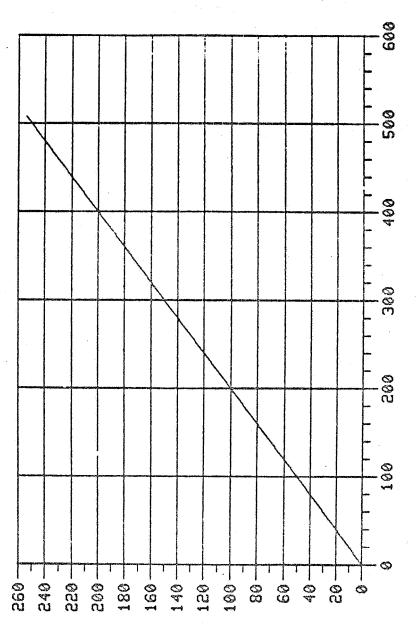
ORIGINAL PACE IS OF POOR QUALITY



ENGINEERING UNITS - VOLTS

runument contro

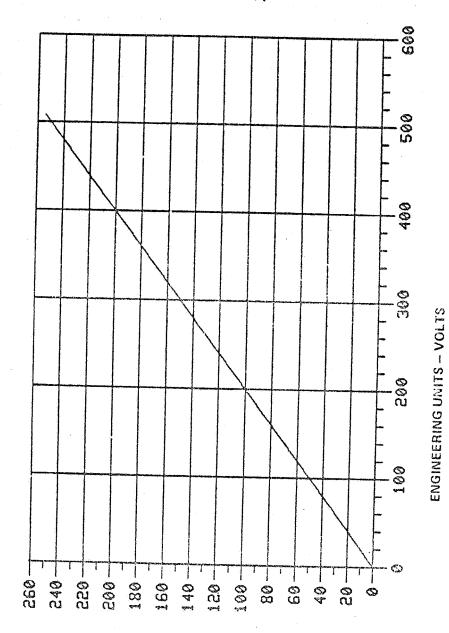
COUNTS US ENGINEERING UNITS FOR PUBRDE1



ENGINEERING UNITS - VOLTS

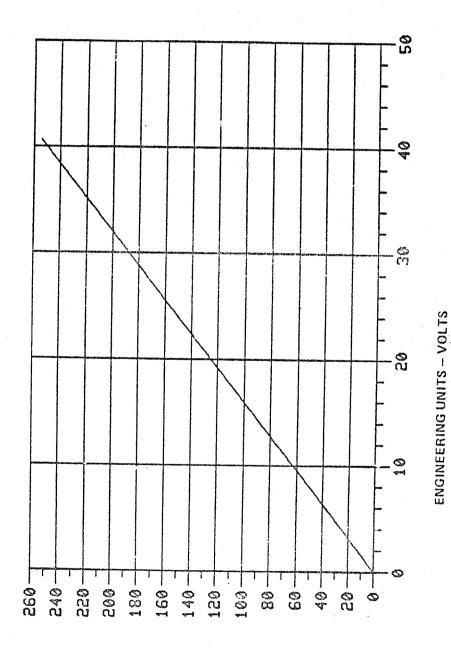
トローロとして> 00コストの

COUNTS US ENGINEERING UNITS FOR PUBRDES



トローロドロトな> いりつだとの

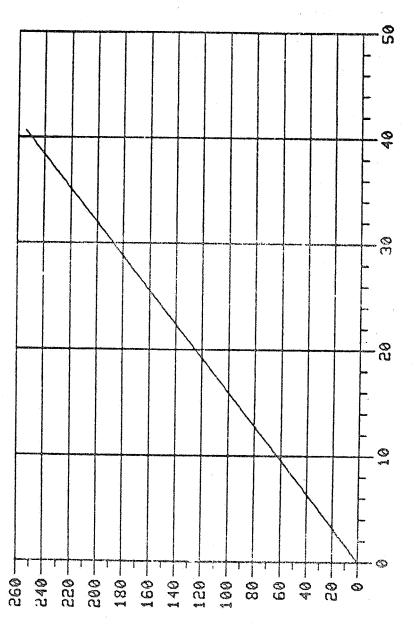
COUNTS US ENGINEERING UNITS FOR PUBRDES



COUNTS US ENGINEERING UNITS FOR PUBATI

トミーにと いっしょう

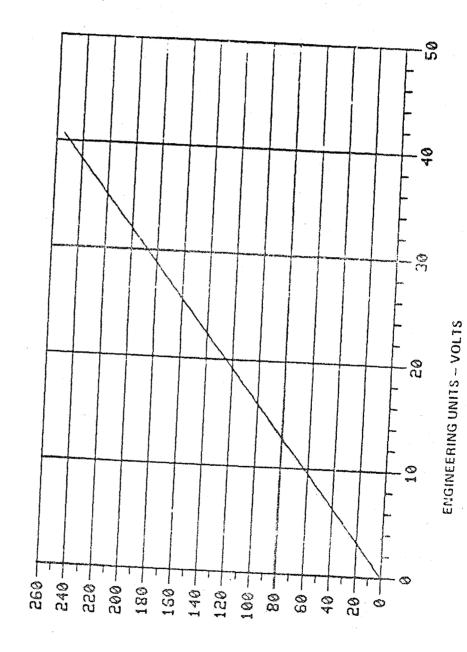
OPIGINAL DOWN IS OF HOSE CONFLITY



トニーにとして いっしょう

COUNTS US ENGINEERING UNITS FOR PUBATE

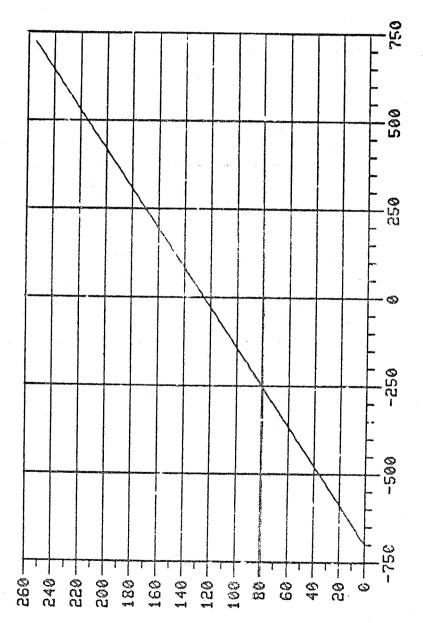
ENGINEERING UNITS - VCLTS



MAZEOO CAHMAMHH

COUNTS US ENGINEERING UNITS FOR PUBATS

ORIGINAL PAGE IS OF POOR QUALITY

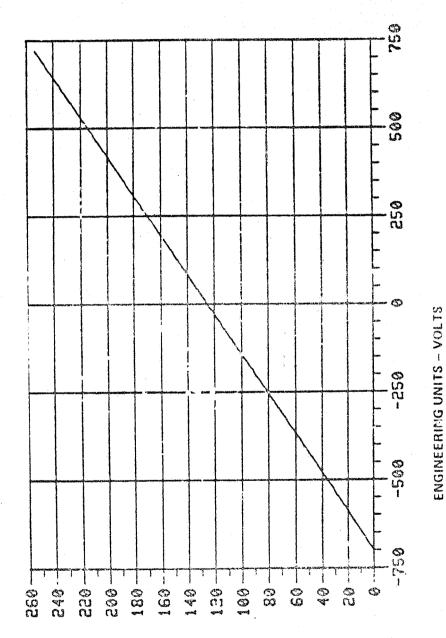


ENGINEERING UNITS - VOLTS

トローロアロースト 00コストの

COUNTS US ENGINEERING UNITS FOR PUDIFBI

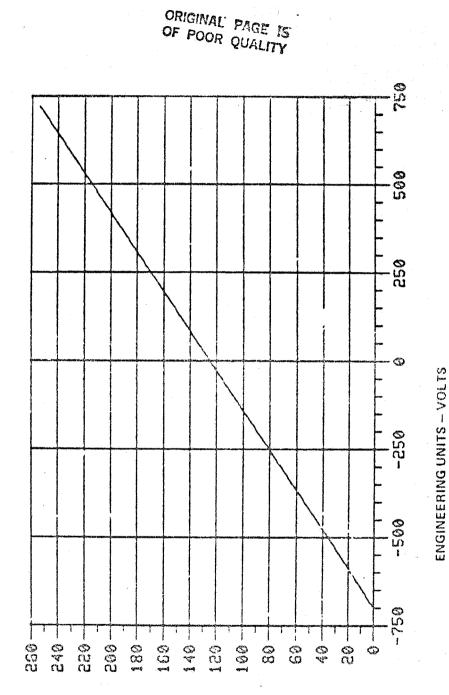
ORIGINAL PAGE IS OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR PUDIFBE

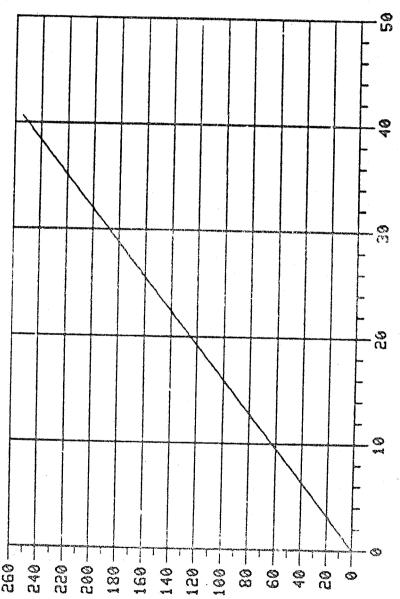
トミしられるてなり くりしだてら

COUNTS US ENGINEERING UNITS FOR PUDIFB3



トローロドローなり ひつコストの

ORIGINAL PAGE IS OF FOOR QUALITY



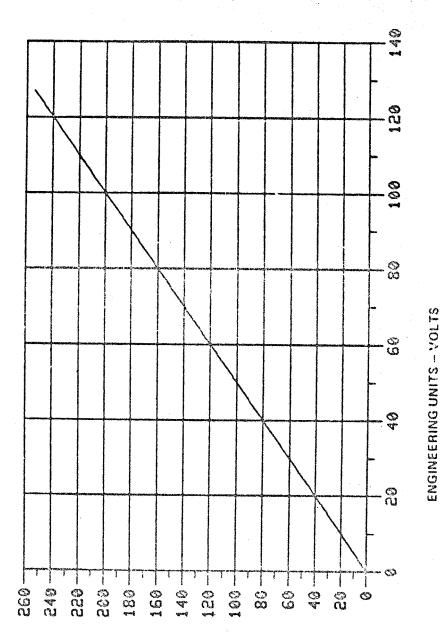
ENGINEERING UNITS - VOLTS

トローロミロトなり CODZEG

COUNTS US ENGINEERING UNITS FOR PULB

V OTV

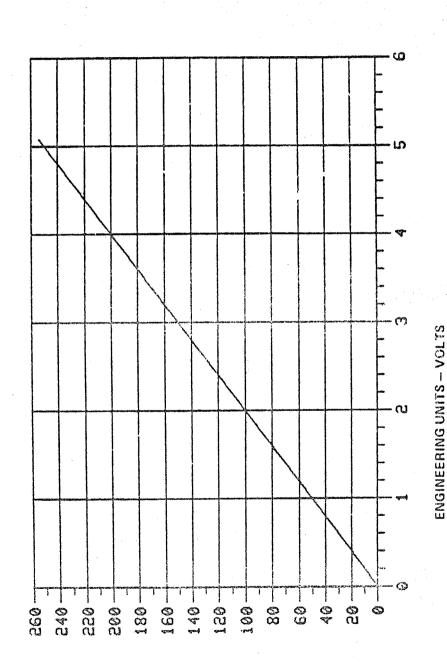
ORIGINAL PAGE IS OF POOR QUALITY



FUJUEMFR> CODIFO

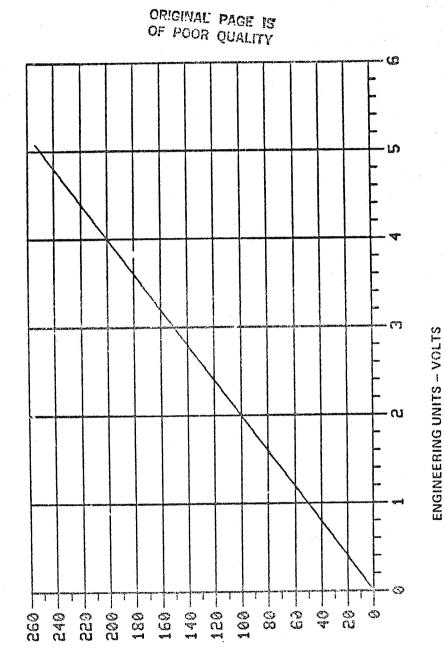
COUNTS US ENGINEERING UNITS FOR PUSA

COUNTS US ENGINEERING UNITS FOR PUSCACA



HULLEWHER CODZEN

A 0 A0



HUMBULKY CODZEC

ORIGINAL PAGE IS OF POOR QUALITY SVS-10266/3A Appendix A June 1982

#### APPENDIX A.10

SOLAR ARRAY DRIVE AND POWER TRANSMISSION ASSEMBLY (SADAPTA)

### TELEMETRY CALIBRATION DATA

See Appendix A.11 (PDU Telemetry Calibration Data) for SADAPTA telemetry calibration data.

LSD-WPC-263

## ORIGINAL PAGE IS OF POOR QUALITY

```
POU POINT DEF.
POINT YACSAIN
                                           : SAFEHOLD A MACS SAFEHOLD SONL YES/NO
POINT YACSBIN
                                       * SAFEHOLD B MACS SAFEHOLD SGNL YES/NO
 POINT YADSPUR
                                          ; FORMATTER/ADS POWER ON/OFF
POINT YCSSART
POINT YCSSBRT
                                SAFEHOLD B CSS SAD RATE CONTROL

SAFEHOLD B CSS SAD RATE CONTROL

PDU STATUS WORD NO. 1

DEPLOY MODE FWD/RETRACT

DEPLOY INHIBIT LOGIC ENA/DISA

SA/LH RETRACT ALLOW/DISALLOW

LEPLOY DRIVING/NOT DRIVING

DPU FULL ON/STANDBY

PDU A RIU A/B

PDU B RIU A/B

TH FSRL LINKS PWR ENA/DISA

GPS PWR ENA/DISA

HINGE HEATERS ON/OFF

SAFEHOLD A AT INDEX POSITION NO/YES

SAFEHOLD B AT INDEX POSITION NO/YES

LOWER HINGE DEPLOY/NOT DEPLOY

LOWER HINGE SELECT/NOT SELECT

SAD MODE ORBIT/SAFEHOLD

MOTUR DRY A (SAD/BOOM) ENA/DISA

MOSS PWR A ENA/DISA

MSS PWR B ENA/DISA

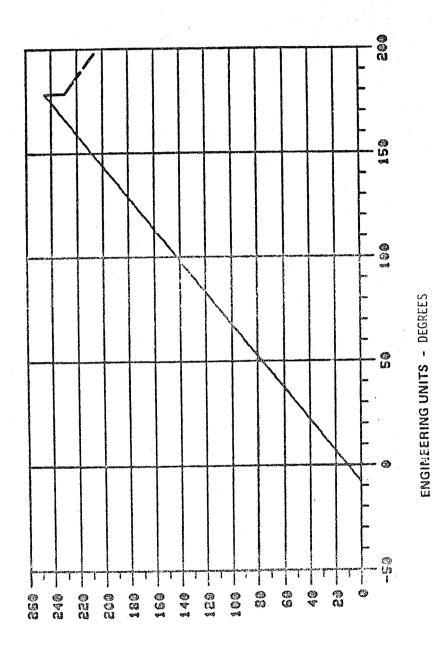
MSS PWR B ENA/DISA

MSS I/F B HTR ENA/DISA
                                          * SAFEHOLD A CSS SAD RATE CONTROL
 POINT YDEPLOY
 POINT YDPLDIR
 POINT YOPLINH
 POINT YOPLRET
 POINT YOPLSTA
 POINT YDPUPUR
 POINT YELARIU
 POINT YELBRIU
 POINT YESBLAK
 POINT YGPSPUR
 POINT YHNGHTR
 POINT YIDXSGA
POINT YIDXSGB
POINT YLMPOS
POINT YLHSEL
POINT YESDMOD
ATZACHY THION
ATZUCMY THIOS
POINT YMSAPWR
 POINT YMSPPWR
                                     MSS I/F B HTR ENA/DISA
 POINT YMSHTB
POINT YPOUDIST
                                              : PDU STATUS WORD NO. 3
                                      PDU ELECTRONICS A/B SELECT
POINT YPDUELE
POINT YSADCIL
                                          ; SAD RATES NOT CONTROLLING/CONTROLLING
POINT YSADINH
                                         ; SAD INHIBIT LOGIC ENA/DISA
                                    SOLAR ARRAY DRIVE RATE
 POINT YSADRT
POINT YSADSH
                                   ; PDU STATUS WORD NO. 2
; ARRAY HINGE SELECT/NOT SELECT
; SOLAR ARRAY POSITION NO. 1
; SOLAR ARRAY POSITION NO. 2
; SOLAR ARRAY DEPLOYED/NOT DEPL
POINT YSAHSEL
POINT YSALOC1
POINT YSALOC2
POINT YSAPOS
                                         SOLAR ARRAY DEPLOYED/NOT DEPLOYED
POINT YSBAPUR
                                          ; DASB PWR A ENA/DISA
POINT YSEBPUR
                                         . DASB PUR B ENA/DISA
POINT YSEGSW1
                                          ; SEG SWITCH 1 GT 180/LT 180 DEG'
POINT YSEGSW2
                                         SEG SWITCH 2 GT 180/LT 180 DEG
                                         SAFEHOLD A ACTIVATE DISA/ENA
SAFEHOLD A CONTROLLING NO/YES
POINT YSHAACT
POINT YSHARCT
POINT YSHAHOD
POINT YSHAHOD
POINT YSHASTA
POINT YSHBACT
POINT YSHBACT
SAFEHOLD A DISA/ENA
POINT YSHBCT
SAFEHOLD B ACTIVATE DISA/ENA
POINT YSHBCT
SAFEHOLD B CONTROLLING NO/YES
POINT YSHBMOD
SAFEHOLD D EARTH SNSR/INERTIAL MODE
POINT YSHBSTA
SAFEHOLD B DISA/ENA
```

# ORIGINAL PAGE IS OF POOR QUALITY

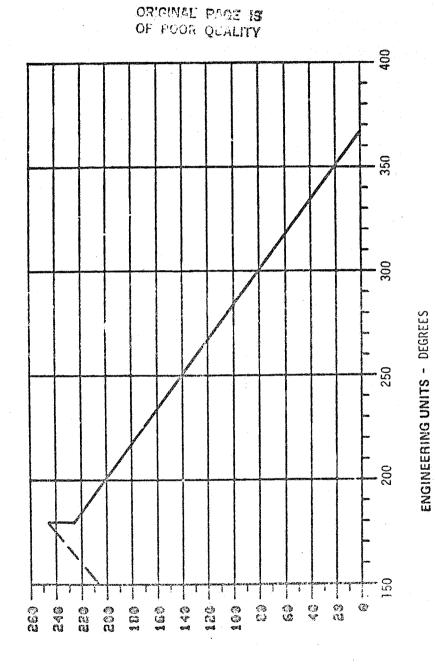
POINT YSHAHTR	TH SMA HTR PUR ENA/DISA
POINT YSR2BUS	SPARE RELAY 2 BUS A/BUS B
POINT YSR 2PHP	SPARE RELAY 2 ON/OFF
POINT YTICTOC	: CMD VERIFICATION TIC/TOC
POINT YTLOGIC	: POU LOGIC TEMP
POINT YTM19V	: TM 18V/20V MONITOR
POINT YTMAPUR	TM PHR A ENA/DISA
POINT YTHBPWR	TH PUR B ENA/DISA
POINT YTPS	F PDU PWR SUPPLY TEMP
POINT YUSAHTR	USS HTR 3A ENA/DISA
POINT YUZBHIR	; USS HTR 3B ENA/DISA
POINT YU3CBUS	; USS HTR 3C BUS A/RUS B
POINT YU3CHTR	; USS HTR 3C ENA/DISA
POINT YUHPOS	: UPPER HINGE DEPLOY/NOT DEPLOY
POINT YUHSEL	; UPPER HINGE SELECT/NOT SELECT
POINT YVOLTS	: +5V SUPPLY VOLTAGE
POINT YXSBYHT	: TM EXT STANDBY HTR ENA/DISA

COUNTS US ENGINEERING UNITS FOR YSALOCI
SEGMENT SWITCH OPEN, LOGIC '0'



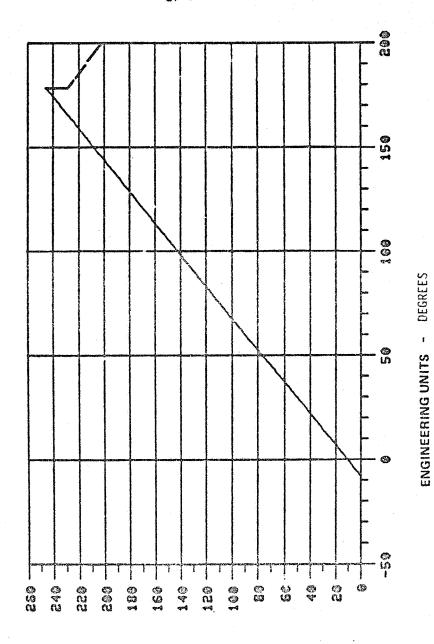
MARCOO KRAUBULWA

COUNTS US ENGINEERING UNITS FOR YSALOCI
SEGMENT SWITCH CLOSED, LOGIC '1'



FUJUEUFES CODEFO

ORIGINAL PACE IS OF POOR QUALITY



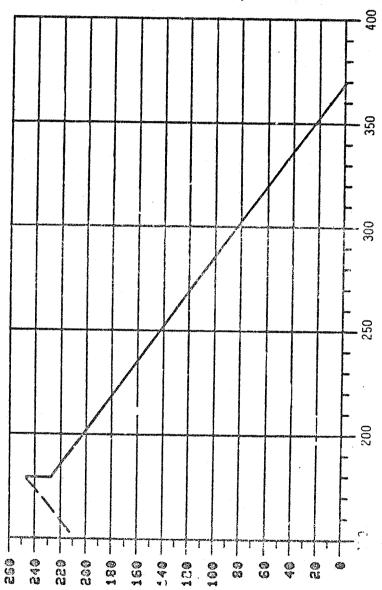
MUSULES COUSTIN

COUNTS US ENGINEERING UNITS FOR YSALOCA

SEGMENT SWITCH OPEN, LOGIC '0'

Λ 10.

ORIGINAL PACE IS OF POOR QUALITY



ENGINEERING UNITS - DEGREES

しょうにいり くりょうしょう

COUNTS US ENGINEERING UNITS FOR YSALOCZ

SEGMENT SWITCH CLOSED, LOGIC '1'

SVS-10266/3A Appendix A June 1982

### APPENDIX A.11

### POWER DISTRIBUTION UNIT (PDU) TELEMETRY CALIBRATION DATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

This appendix also shows telemetry calibration points for the SADAPTA, SARDIA, and BARDJA.

OPIGNAL DATE IS OF POUR QUALITY

PDU CONV. DEF.

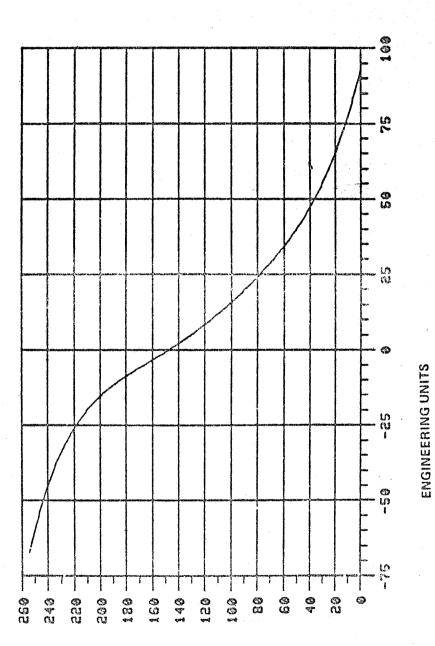
\*\*\*\*\*\*\*\*\*\*\*\*

```
; SOLAR ARRAY POSITION NO. Tw/Seg.SW. Open, (Closed)
TNIOS
         YSALOC1
                     -8.0,0.76 (369.209, -0.8372093)
COEFF
         YSALOC1
POINT
         YSALOC2
                   ; SOLAR ARRAY POSITION NO. 2 W/Seg. SW. Open, (Closed)
                     -8.0,0.76, (369.209, -0.8372093)
COEFF
         YSALOC2
POINT
                   ; PDN LOGIC TEMP in deg. centigrade
         YTLOGIC
COEFF
         YTLOGIC
                     .92447E+2,-.16960E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
         YTMISY
                     TM 18V/20V MONITOR in volts
PCINT
COEFF
         YTM19V
                     0.0,0.02
         YTPS
POINT
                    ; PDU PWR SUPPLY TEMP in deg. centigrade
                   , .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
         YTPS
COEFF
                   ; +5V SUPPLY VOLTAGE in volts
POINT
         YVOL T5
COEFF
         YVOLT5
                    , 0.57539940E-2,0.24021631E-01
```

```
POU POINT DEF.
                         ; SAFEHOLD A MACS SAFEHOLD SGNL YES/NO
POINT YACSAIN
                        : SAFEHOLD B MACS SAFEHOLD SGNL YES/NO
POINT YACSBIN
                        FORMATTER/ADS POWER ON/OFF
POINT YADSPUR
                        : SAFEHOLD A CSS SAD RATE CONTROL
POINT YCSSART
POINT YCSSBRT
                        ; SAFEHOLD B CSS SAD RATE CONTROL
POINT YDEPLOY
                        : POU STATUS WORD NO. 1
POINT YDPLDIR
                        : DEPLOY NODE FWD/RETRACT
                        : DEPLOY INHIBIT LOGIC ENA/DISA
POINT YOPLINH
POINT YDPLRET
                        * SA/LH RETRACT ALLOW/DISALLOW
POINT YDPLSTA
                        : LEPLOY DRIVING/NOT DRIVING
POINT YDPUPWR
                        : DPU FULL ON/STANDBY
POINT YELARIU
                        & PDU A RIU A/B
POINT YELBRIU
                        ; PDU B RIU A/B
POINT YESBLAK
                        : TH FSBL LINKS PUR ENA/DISA
POINT YGPSPWR
                        : GPS PUR ENA/DISA
POINT YHNGHTR
                        : HINGE HEATERS ON/OFF
POINT YIUXSGA
                        : SAFEHOLD A AT INDEX POSITION NO/YES
POINT YIDXSGB
                        : SAFEHOLD B AT INCEX POSITION NO/YES
POINT YLHPOS
POINT YLHSEL
                        : LOVER HINGE CEPLOY/NOT DEPLOY
                        ; LOWER HINGE SELECT/NOT SELECT
POINT YESDMOD
                        : SAD MODE ORBIT/SAFEHOLD
ATZACMY THIOS
                        ACTONAMA (MODERNARO A VAC ROTOM :
ATZECHY TRIDE
                        : MOTOR DRV 8 (SAD/DOOM) ENA/DISA
POINT YMSAPUR
                        : MSS PUR A ENA/DISA
POINT YMSPPWP
                        : MSS PWR B ENAZOISA
POINT YMSHTB
                        : MSS I/F B HTR ENA/DISA
                          : PDU STATUS WORD NO. 3
POINT YPOUDIST
POINT YPDUELE
                        : PDU ELECTRONICS A/B SELECT
                        ; SAD RATES NOT CONTROLLING/CONTROLLING
POINT YSADCTL
                        * SAD INHIBIT LOGIC ENA/DISA
POINT YSADINH
                       . SOLAR ARRAY DRIVE RATE
POINT YSADRT
                           : POU STATUS HORD NO. 2
POINT YSADSH
                        ; ARRAY HINGE SELECT/NOT SELECT
POINT YSAHSEL
POINT YSALOC1
                        : SOLAR ARRAY POSITION NO. 1
                        ; SOLAR ARRAY POSITION NO. 2
POINT YSALOC2
                        SOLAR ARRAY DEPLOYED/NOT DEPLOYED
POINT YSAPOS
POINT YSBAPER
                        ; DASB PUR A ENA/DISA
POINT YSEBPUR
                        : DASB PUR B ENAZDISA
POINT YSEGSW1
                        : SEG SWITCH 1 ST 180/LT 180 DEG
POINT YSEGSW2
                        : SEG SHITCH 2 GT 180/LT 180 DEG
POINT YSHAACT
                        : SAFEHOLD A ACTIVATE DISAZENA
                        : SAFEHOLD A CONTROLLING NOTYES
POINT YSHACTL
POINT YSHAMOD
                        : SAFEHOLD A EARTH SNSR/INERTIAL MODE
POINT YSHASTA
                        : SAFEHOLD A DISA/ENA
POINT YSHBACT
                        : SAFEHOLD B ACTIVATE DISA/ENA
                        ; SAFEHOLD B CONTROLLING NO/YES
POINT YSHECTL
COMERCY INIOS
                        : SAFEHOLD & EARTH SASR/INERTIAL MODE
POINT YSHESTA
                        : SAFEHOLD B DISA/ENA
```

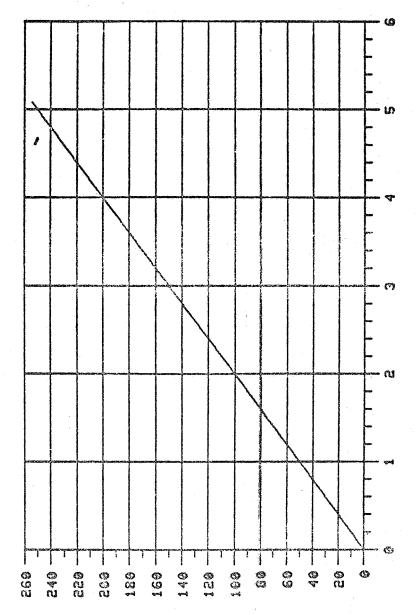
POINT YSHAHTR	TM SHA HTR PUR ENA/DISA
POINT YSRZBUS	SPARE RELAY 2 BUS A/BUS B
POINT YSR 2PWR	SPARE RELAY 2 ON/OFF
POINT YTICTOC	CHO VERIFICATION TIC/TOC
POINT YTLOGIC	PDU LOGIC TEMP
POINT YTM19V	TM 18V/20V MONITOR
POINT YTMAPUR	TM PWR A ENAPOISA
POINT YTHBPUR	TM PWR B ENA/DISA
POINT YTPS	PDU PUR SUPPLY TEMP
POINT YUSAHTR	USS HTR 38 ENA/DISA
POINT YUZSHTR	USS HTR 38 ENA/DISA
POINT YU3CBUS	USS HTR 3C BUS A/BUS B
POINT YU3CHTR	
	USS HTR 3C ENA/DISA
POINT YUHPOS	UPPER HINGE DEPLOY/NOT DEPLOY
POINT YUHSEL	: UPPER HINGE SELECT/NOT SELECT
POINT YVOLTS	: +5V SUPPLY VOLTAGE
THRESXY INTOG	: TH EXT STANDBY HTR ENWOISA

ORIGINAL ALL STATE OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR YTLOGIC

MUSULOD KAUMSMEMU

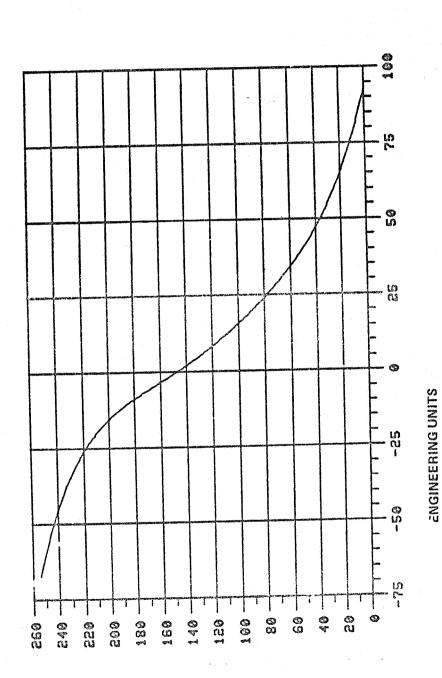


ENGINEERING UNITS

トローロエロトの くりつストの

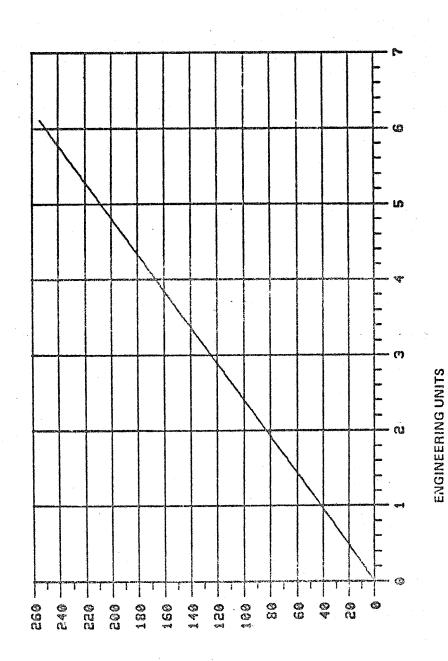
COUNTS US ENGINEERING UNITS FOR YTHISU





PULUEUPED CODZES

COUNTS US ENGINEERING UNITS FOR YUOLTS



-w-wew-coozen

SVS-10266/3A Appendix A June 1982

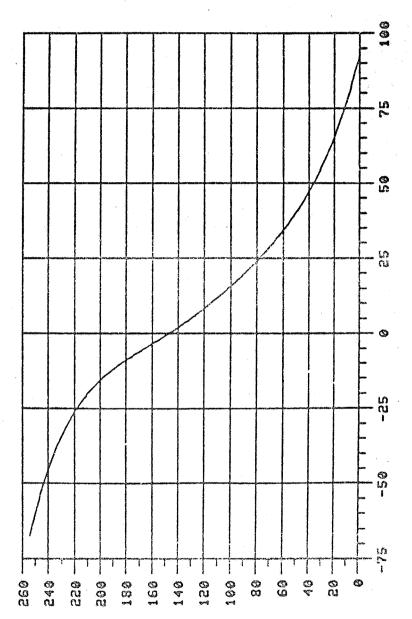
### APPENDIX A.12

### DIGITAL PROCESSING UNIT (DPU) TELEMETRY CALIBRATION DATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

SVS-10266/3A Appendix A June 1982

```
ORIGINAL PAGE IS
                              OF POOR QUALITY
    DPU CONY. DEF.
********
   DASB POINT
            DEF.
   DPU POINT
            DEF.
            ; C/DH-TM DATA TRANSFER YES/NO
POINT
      DCDHTMT
            POINT
      DPUTEMP
COEFF
      DPUTEMP
```



ENGINEERING UNITS - OCENT

COUNTS US ENGINEERING UNITS FOR DPUTEMP

PULLOS COUZFO

SVS-10266/3A Appendix A June 1982

#### APPENDIX A.13

## WIDEBAND COMMUNICATION SUBSYSTEM (WBCS) TELEMETRY CALIBRATION DATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

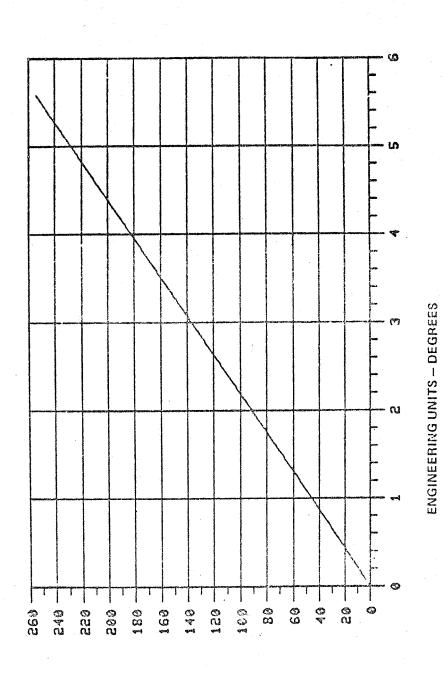
WBCS POINT DEF.

```
POINT
                     ; WORDS 1/2 GDA AZIM POS in
          WANTAZL
COEFF
          WANTAZL
                       0,.02197265
POINT
          WANTAZLS
                     ; GDE REDUND SERIAL WORDS 1 AND 2 in
                       0,.02197265
COEFF
          WANTAZLS
POINT
          WANTELL
                     ; WORDS 3/4 GDA ELEV POS in
                       0..02197255
COEFF
          WANTELL
POINT
          WANTELLS
                       GDE REDUND SERIAL WORDS 3 AND 4 in
                       0,.02197265
COEFF
          WANTELLS
                       RFC KU AUTOTRACK COMBINER FEED ASSY TEMP in deg. centigrade
POINT
          WATCMBT
                       .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
CCEFF
          WATCMBT
                       RFC AT DOWNCONVERTER TEMP +Y PANEL in deg. centigrade
POINT
          WATDNCHT
                       .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
          WATDNCHT
POINT
          WATEST
                       RFC AUTOTRACK FREQ SOURCE TEMP +Y PANEL in deg. centigrade
                       .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
          WATEST
COEFF
POINT
          WATRCVRT
                       WBM AUTOTRACK RCYR TEMP -X PANEL in deg. centigrade
                       .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
WBM PCU/DSU TEMP (-X PANEL) in deg. centigrade
COEFF
          WATRCYRT
POINT
          WDSUMXT
                       .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
          WDSUMXT
                       RFC PANEL (GDA MOUNT) TEMP in deg. centigrade
POINT
          WGDAMTT
                       .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
          WGDAMTT
POINT
          WGDET
                       WBM GIMBAL DRIVE ELECTRONICS TEMP in deg. centigrade
                       .85324E+2.-.11854E+1..61780E-2.-.12972E-4,-.51630E-8
COEFF
          WGDET
                       WBM KU FRÉQ SOURCE/DSU TEMP DSU ; -X PANEL in deg. centigrade
POINT
          WKFST
                       .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
RFC KU-TWTA SIDE TEMP -Y PANEL in deg. centigrade
.85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
          WKFST
POINT
          WKTWTAT
COEFF
          WKTWTAT
                       RFC KU DIPLEXER TEMP in deg. centigrade .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
POINT
          WKUDIPT
COEFF
          WKUDIPT
                       RFC KU UPCONVERTER TEMP in deg. centigrade
POINT
          WKUPCONT
                       .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
          WKUPCONT
                       RFC PANEL (NEAR FEED) TEMP in deg. centigrade
POINT
          WNRFEEDT
                       .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
          WARFEEDT
                       AUTOTRACK PEVR PRIMARY AZIM ERROR in
POINT
          WPATAZER
                       0.6, J.02
COEFF
          VPATAZER
POINT
                       AUTOTRACK RCVR PRIMARY ELEV ERROK in
          WPATELER
COEFF
                       0.0,0.02
          WPATELER
                       AUTOTRACK RCYR PRI SIGNAL STRENGTH in
POINT
          WPATRSS
                       -.51053E+3,.12322E+2,-.17749E00,.12545E-2,-.43182E-5,.58167E-8
          WPATRSS
COEFF
POINT
                       GDA AZIMUTH MOTOR TEMP PRIME in deg. centigrade
          WPAZMOTT
                        .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
          WPAZMOTT
                       GDA ELEVATION MOTOR TEMP PRIME in deg. centigrade
POINT
          WPELMOTT
                       .85324E+2;-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
          WPELMOTT
POINT
                       KU TWTA PRIMARY BUS CURRENT in
          WPKBUSI
COEFF
          WPKBUSI
                       0.0000E + 00, 0.0360 E-01
                     ; KU TWTA PRIMARY HELIX CURRENT in
POINT
          WPKHELI
                     .41023E-2,.10752E-1,.10398E-3,-.62325E-6,.16029E-8,-.14163E-11
COEFF
          WPKHELI
```

SVS-10266/3A Appendix A June 1982

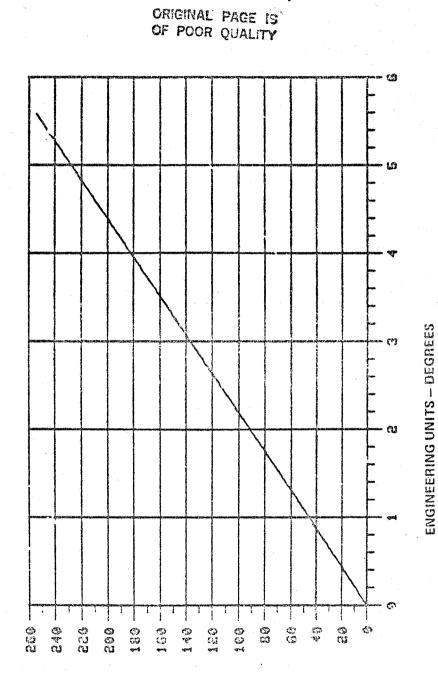
```
POINT
         WPKTWTBT
                    ; RFC KU-TWTA BASEPLATE TEMP PRIME in deg. centigrade
CCEFF
         WEKTWIBT
                      .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
         WPPWCONV
                     PWR CONV SEC VOLT MON, PRIMARY in
POINT
COEFF
         WP PHC ONV
                      0.0.0347
POINT
         WPSKMODT
                    ; WBM UQPSK MODULATOR TEMP -X PANEL in deg. centigrade
COEFF
         WPSKMODT
                      .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
POINT
         WPSUPYT
                     WBM PSU TEMP (+Y PANEL) in deg. centigrade
COEFF
         WPSUPYT
                      .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
POINT
         WPXBUSI
                     X TWTA PRIMARY BUS CURRENT in
                      0.6757E-1,.37358E-1,-.1924E-3,.9532E-6,-.2251E-8,.2108E-11
COEFF
         WPXBUSI
POINT
         WPXCOVT
                     WBM +X COVER TEMP in deg. centigrade
                      .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
         WPXCOVT
POINT
         WPXHELI
                      X TWTA PRIMARY HELIX CURRENT in
                      .41023E-2,.10752E-1,.10398E-3,-.62325E-6,.16029E-8,-.1416E-11
COEFF
         WPXHELI
                      WBM X-TWTA BASEPLATE TEMP PRIME in deg. centigrade
POINT
         WPXTWTAT
COEFF
         WPXTWTAT
                      .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
                      WBM +Z PANEL TEMP in deg. centigrade
POINT
         WPZPNLT
                      .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
         WPZPNLT
COEFF
POINT
         WRATAZER
                      AUTOTRACK RCVR REDUNDANT AZIM ERROR in
COEFF
                     0.0,0.02
         WRATAZER
POINT
                    : AUTOTRACK RCVR REDUNDANT ELEV ERROR in
         WRATELER
COEFF
         WRATELER
                     0.0,0.02
POINT
         WRATRSS
                    ; AUTOTRACK RCVR RED SIGNAL STRENGTH in
                      -.89125E+3,.24706E+2,-.33537E00,.22389E-2,-.73217E-5,.94115E-8
COEFF
         WRATRSS
                     GDA AZIMUTH MOTOR TENP REDUNDANT in
POINT
         WRAZMOTT
COEFF
         WRAZMOTT
                      .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
                     GDA ELEVATION MOTOR TEMP REDUNDANT in deg. centigrade
POINT
         WRELMOTT
                      .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
         WRELMOTT
POINT
         WRI U9AT
                      RIU 09A TEMP in deg. centigrade
                      .1234E+3,-.2073E+1,.2266E-1,-.1514E-3,.5174E-6,-.7163E-9
COEFF
         WRIU9AT
                      RIU 09B TEMP in deg. centigrade
POINT
         WRI U9BT
COEFF
         WRIU93T
                      .1234E+3,-.2073E+1,.2266E-1,-.1514E-3,.5174E-6,-.7163E-9
POINT
         WRKBUSI
                    ; KU TWTA REDUNDANT BUS CURRENT in
                    , 0.0000E+00, 0.0360E-01
COEFF
         WRKBUSI
POINT
         WRKHELI
                    ; KU TWTA REDUNDANT HELIX CURRENT in
COEFF
                      .41023E-2,.10752E-1,.10398E-3,-.62325E-6,.16029E-8,-.14163E-11
         WRKHELI
POINT
         WRKTWIBT
                    ; RFC KU-TWTA BASEPLATE TEMP RED in deg. centigrade
                      .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
         WRKTWTBT
POINT
         WRPWCONV
                     PWR CONV SEC VOLT MON, REDUNDANT in
COEFF
         WRPWCONV
                     0,0.0347
POINT
         WRXBUSI
                    ; X THTA REDUNDANT BUS CURRENT in
                      .6757E-1,.37358E-1,-.1924E-3,.9532E-6,-.2251E-8,.2108E-11
COEFF
         WRXBUSI
POINT
         WRXHELI
                    ; X TWTA REDUNDANT HELIX CURRENT in
COEFF
         WRXHELI
                      .41023E-2,.10752E-1,.10398E-3,-.62325E-6,.16029E-8,-.1416E-11
         WRXTWTAT
POINT
                    ; WBM X-TWTA BASEPLATE TEMP RED in deg. centigrade
                      .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
         WRXTWTAT
POINT
         WSPAREIT
                    ; RFC SPARE TEMP 1 in deg. centigrade
                      .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
         WSPARETT
                    ; RFC SPARE TEMP 2 in deg. centigrade
POINT
         WSPARE2T
                     .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
WBM X-TWTA SIDE TEMP in deg. centigrade
COEFF
         WSPARE2T
         WTWTSIDT
POINT
                    , .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
COEFF
         WTWTSIDT
POINT
         WXFST
                     WBM X-BAND FREQ SOURCE TEMP -X PANEL in deg. centigrade
COEFF
         WXF ST
                    , .85324E+2,-.11854E+1,.61780E-2,-.12972E-4,-.51630E-8
```

COUNTS US ENGINEERING UNITS FOR WANTAZL



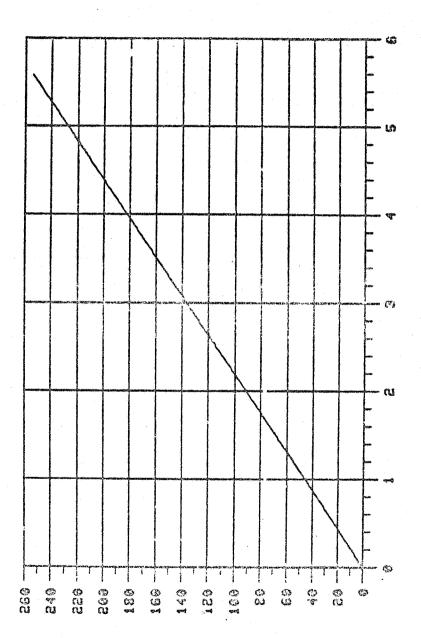
HULUEMPRY CODEPO

COUNTS US ENGINEERING UNITS FOR UNITAZIS



てほしほりょう くりしだすぐ

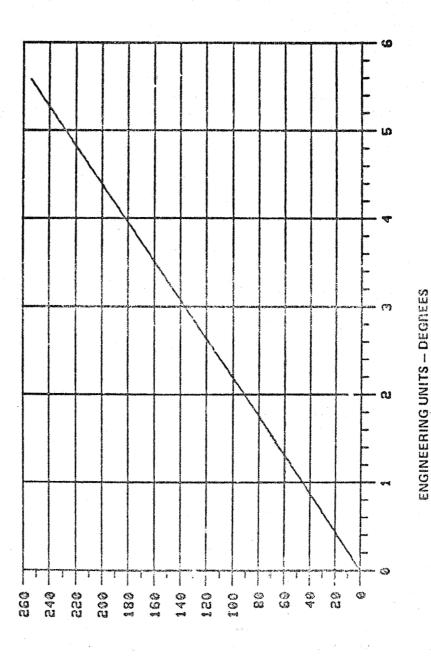
COUNTS US ENGINEERING UNITS FOR UANTELL



ENGINEERING UNITS - DEGREES

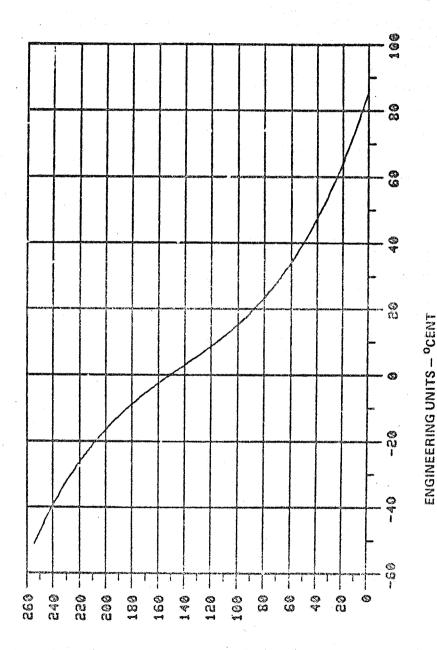
-M-MEM-K> CODZI-W

ORIGINAL PAGE IS OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR UANTELLS

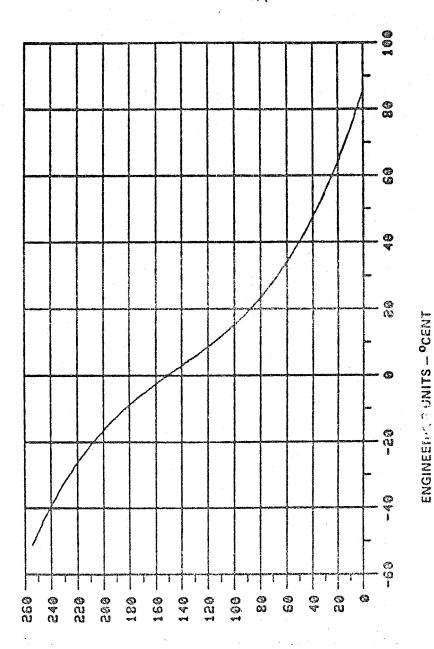
A.13 7



PHIMEMPED CODEFU

COUNTS US ENGINEERING UNITS FOR UATCHBT

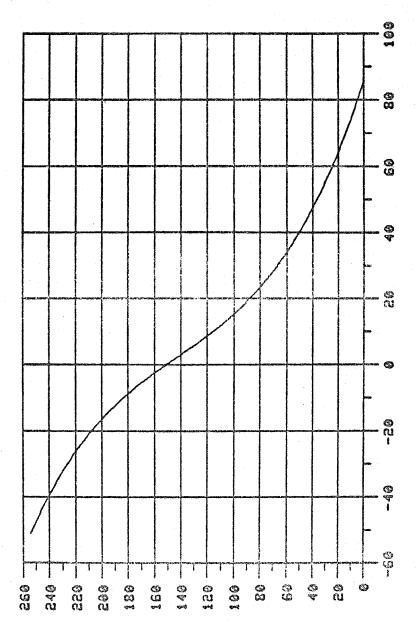
ORIGINAL PACE IN OF POOR QUALITY



トモーロスト くりしょしん

COUNTS US ENGINEERING UNITS FOR WATDNCNT

ORIGINAL PAGE IS OF POOR QUALITY

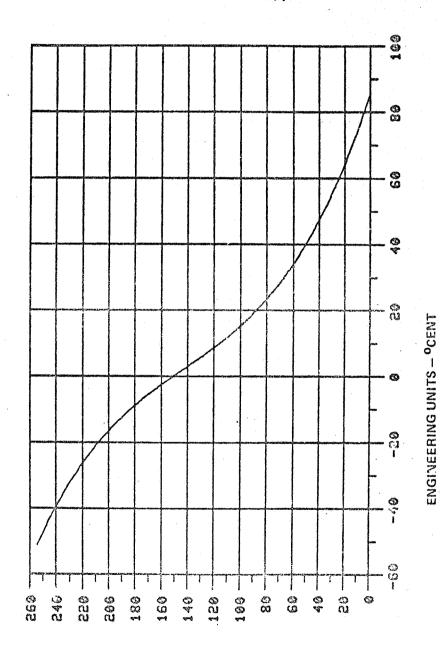


ENGINEERING UNITS - OCENT

HULUEMPRA CODEFU

COUNTS US ENGINEERING UNITS FOR WATEST

ORIGINAL PAGE IS

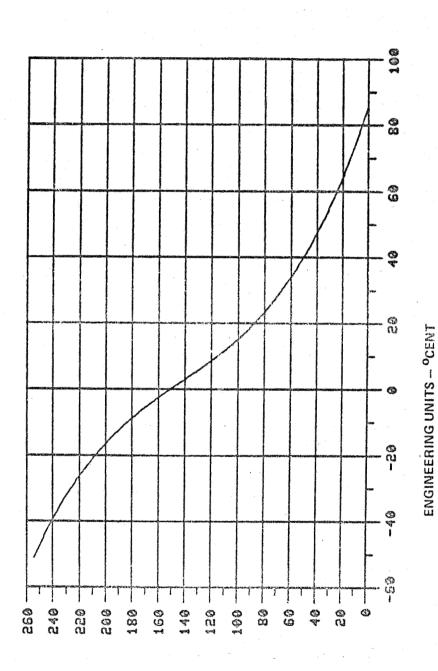


FULUEUFG> CODZEG

COUNTS US ENGINEERING UNITS FOR UNTRCURT

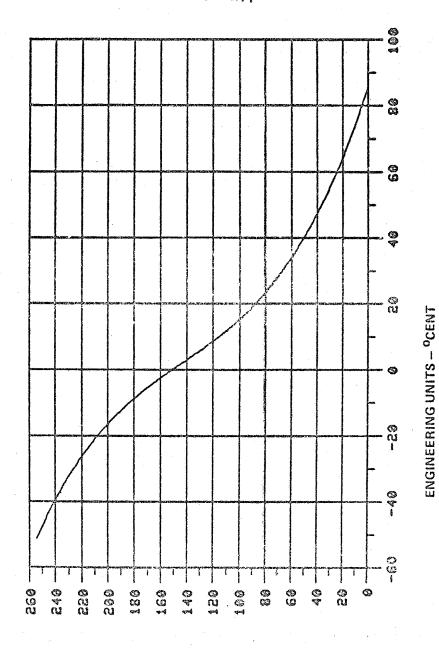
1 977 94

COUNTS US ENGINEERING UNITS FOR UDSURXT



HUNDEMPRO CODZING

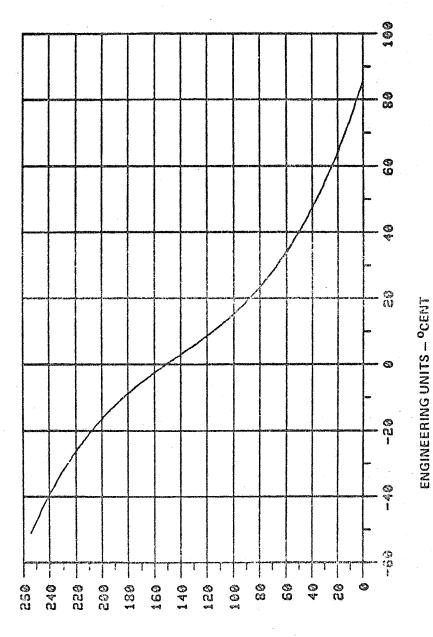
ORIGINAL PAGE IS OF POOR QUALITY



PUJUEUPED CODEFO

COUNTS US ENGINEERING UNITS FOR UCDANTI

Z1 71 A

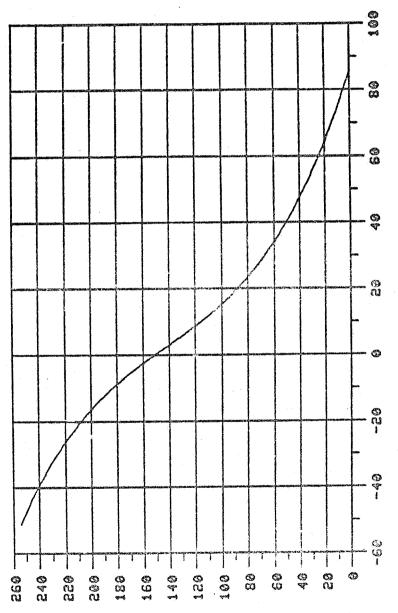


-uluzu-c> cost-o

COUNTS US ENGINEERING UNITS FOR UGDET

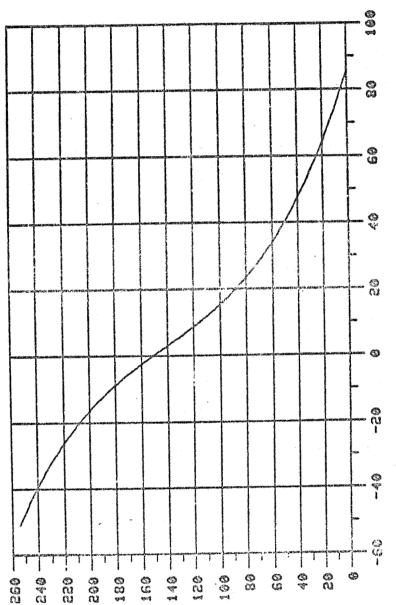
ENGINEERING UNITS - OCENT

ORIGINAL PAGE IS OF POOR QUALITY



トローロにはトスト ひつづてしの

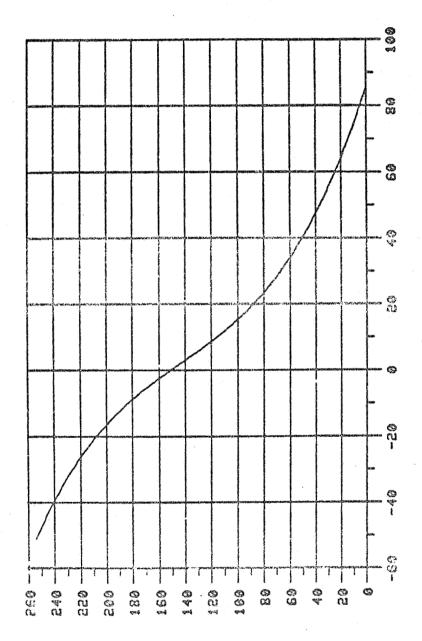
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS – OCENT

-MTMEMPER OCERPO

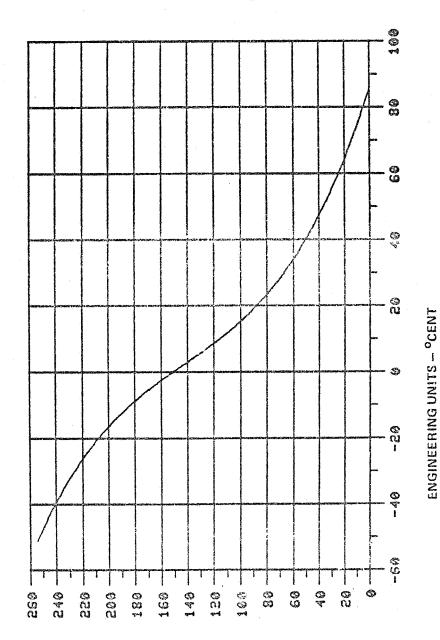
COUNTS US ENGINEERING UNITS FOR UKTUTAT



COUNTS US ENGINEERING UNITS FOR UKUDIPT

PUJUEUPES CODEPA

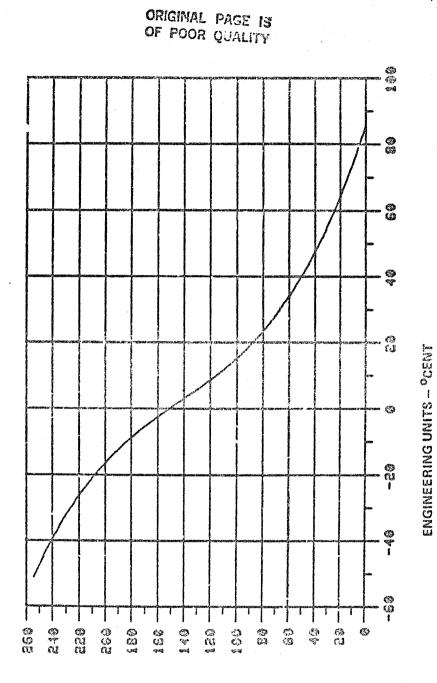
ENGINEERING UNITS – OCENT



COUNTS US ENGINEERING UNITS FOR UKUPCONT

FWIMEMFED CODEFO

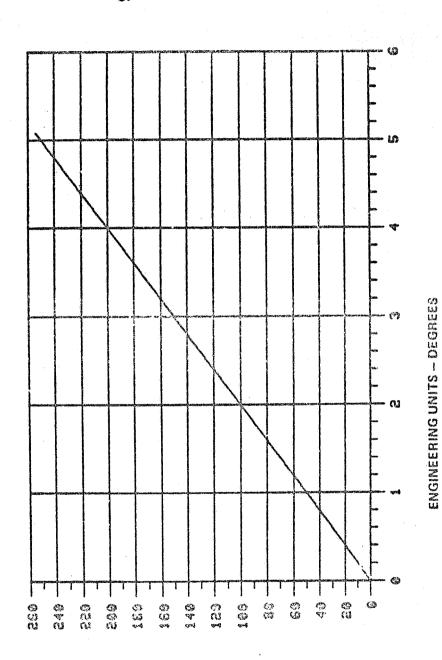
COUNTS US ENGINEERING UNITS FOR UNRFEEDT



FUJUEUFED OODEFO

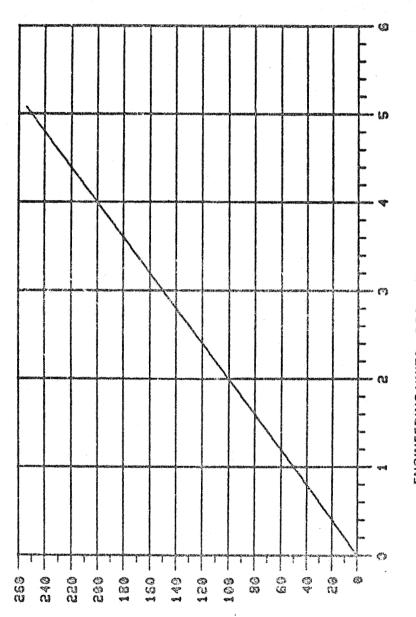
A.13-19

ORIGINAL PAGE IS OF POOR QUALITY



ひょりにらい くりょほうしゅん

ORIGINAL PAGE IS OF POOR QUALITY

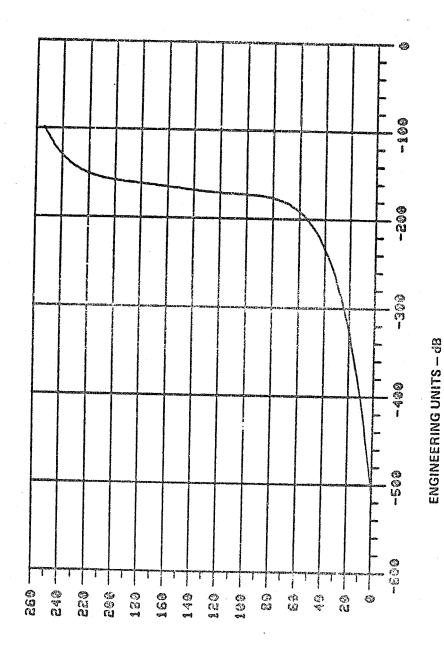


PUJUEUPK> CODEPN

COUNTS US ENGINEERING UNITS FOR UPATELER

ENGINEERING UNITS - DEGREES

ORIGINAL PAGE IS OF POOR QUALITY

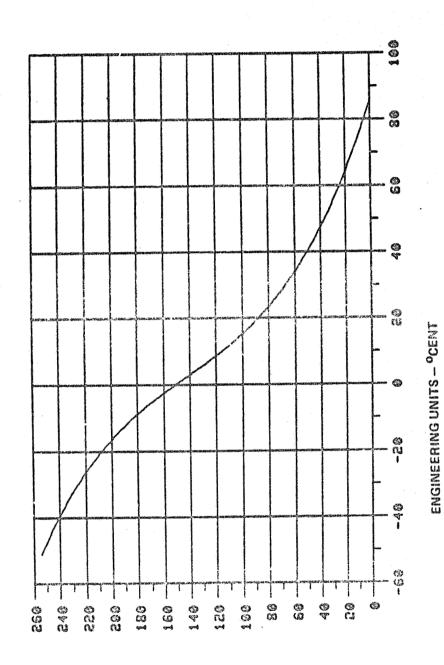


トミーにとく くりしだける

COUNTS US ENGINEERING UNITS FOR UPATRSS

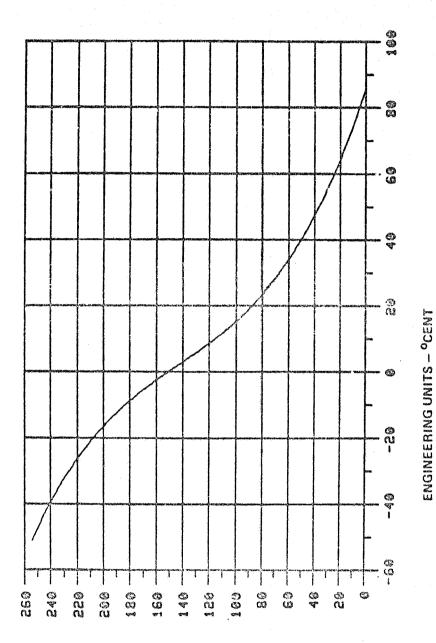
A.13 22

OF POOR QUALITY



-wawzweco coszen

COUNTS US ENGINEERING UNITS FOR UPAZECTT

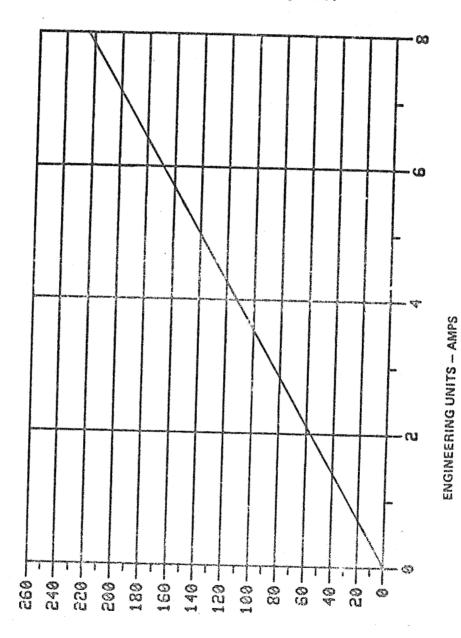


NAZEOO KBAMBULUA

COUNTS US ENGINEERING UNITS FOR UPELMOTT

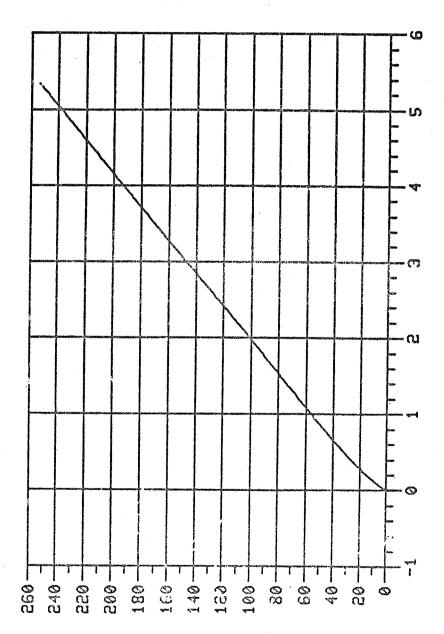
4 15 51

ORIGINAL PAGE IS OF POOR QUALITY



FM-MEMFK> CODZEQ

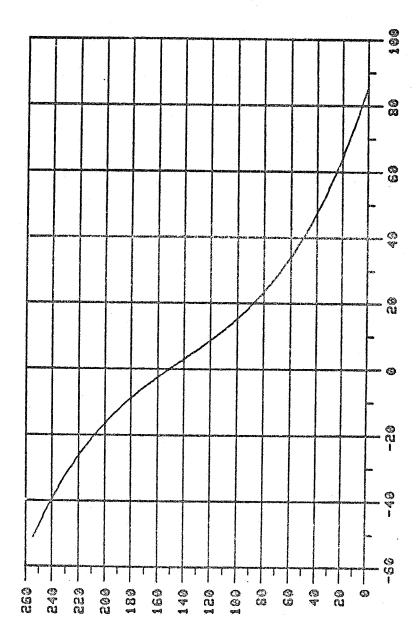
ORIGINAL PACE IS OF POOR QUALITY



ENGINEERING UNITS - MAMPS

トミーにといい いりしれてら

COUNTS US ENGINEERING UNITS FOR UPKHELI

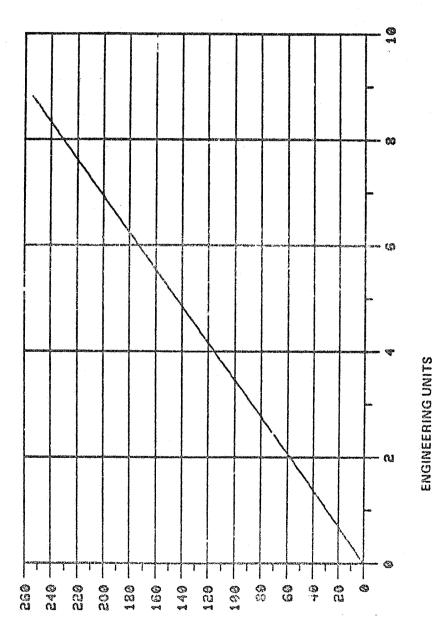


ENGINEERING UNITS — OCENT

しととにのり くりょとにゅう

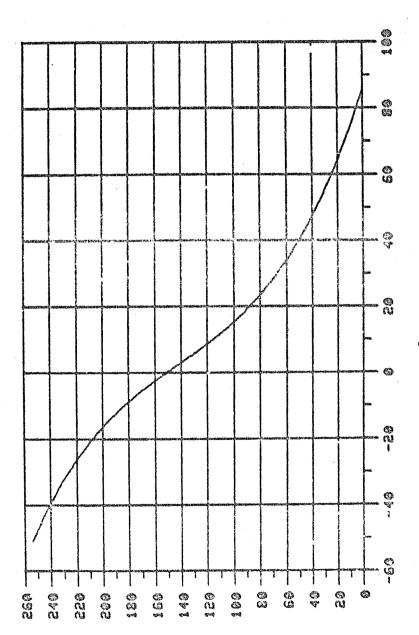
COUNTS US ENGINEERING UNITS FOR UPKTUTBT

ORIGINAL PAGE 10' OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR UPPUCONU

HUJUEUFES CODEFO

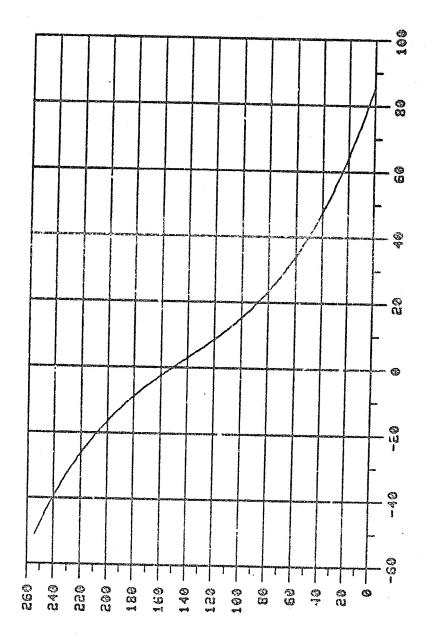


ENGINEERING UNITS - OCENT

NIZCOO CASMIBULM

COUNTS US ENGINEERING UNITS FOR UPSKNODT

ORIGINAL PAGE IS OF POOR QUALITY



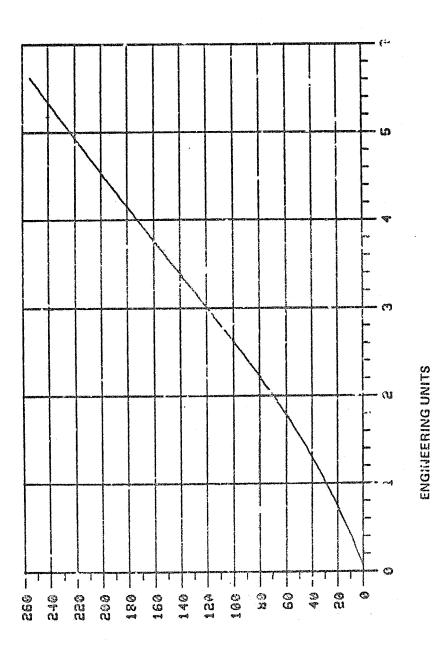
ENGINEERING UNITS - OCENT

トレースに くり しょうしょ

COUNTS US ENGINEERING UNITS FOR UPSUPYT

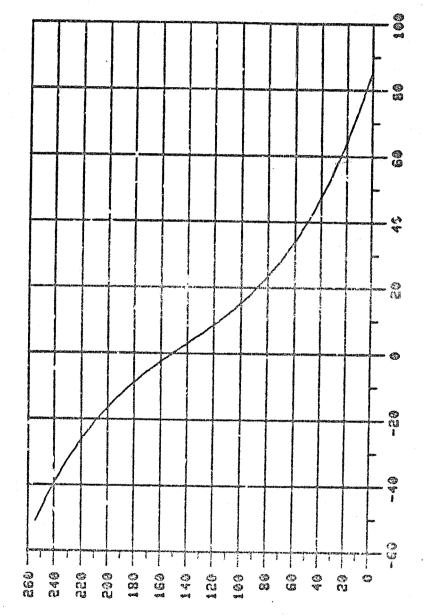
SVS-10266/SA Appendix A June 1982

ORIGINAL PAGE IS OF POUR QUALITY



COUNTS US ENGINEERING UNITS FOR UPXBUSI

...



engineering units – °cent

トリコピモい くりつストの

COUNTS US ENGINEERING UNITS FOR UPXCOUT

COUNTS US ENGINEERING UNITS FOR UPXHELI

ENGINEERING UNITS - MAMPS

トモーににいい くりつだその

180-

200

220-

240-

- 692

169

140-

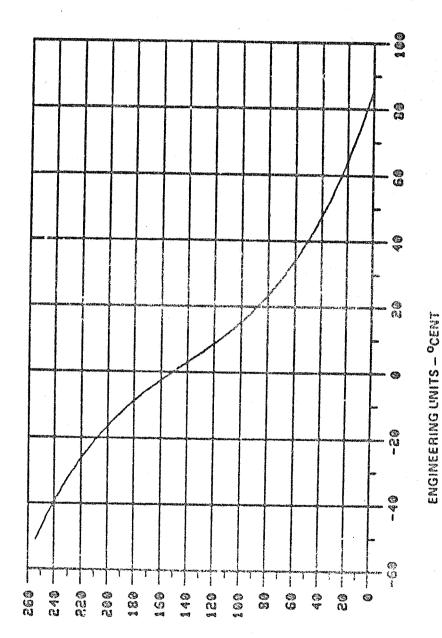
120-

100-

50

4 6 1

ORIGINAL PAGE IS OF POOR QUALITY



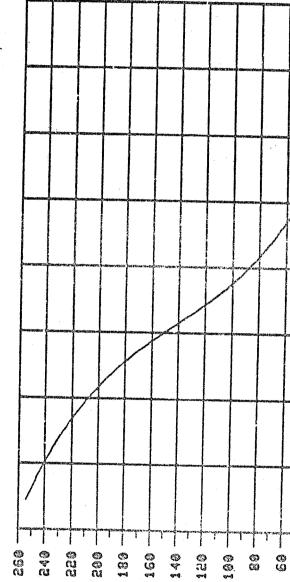
FULLWEWF6>

COUNTS US ENGINEERING UNITS FOR UPXTUTAT

003250

A 13 33

100



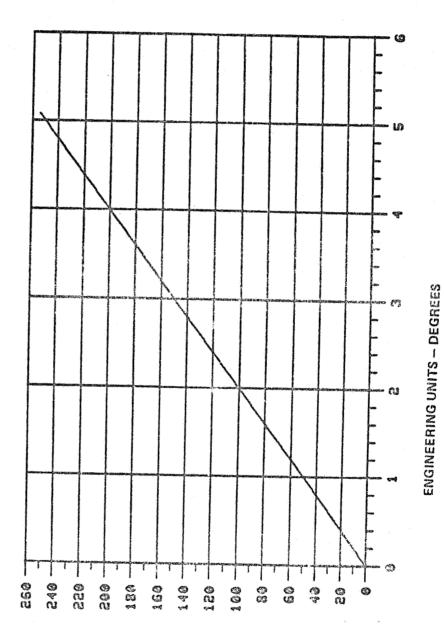
COUNTS US ENGINEERING UNITS FOR UPZPMLT

ENGINEERING UNITS - OCENIT

(3) (1)

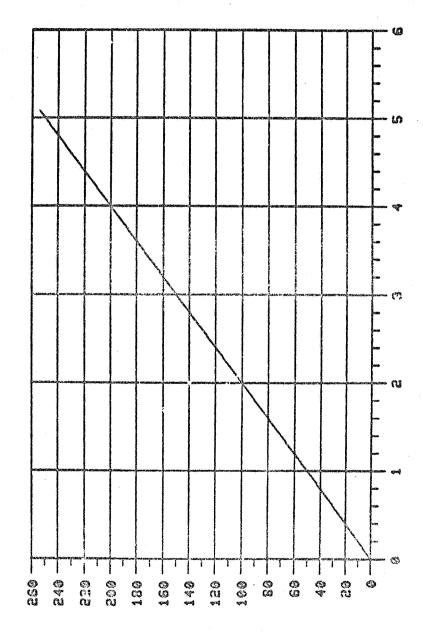
9 9 9

PULLOO COUZHO



いっちょうしょう いっちょう

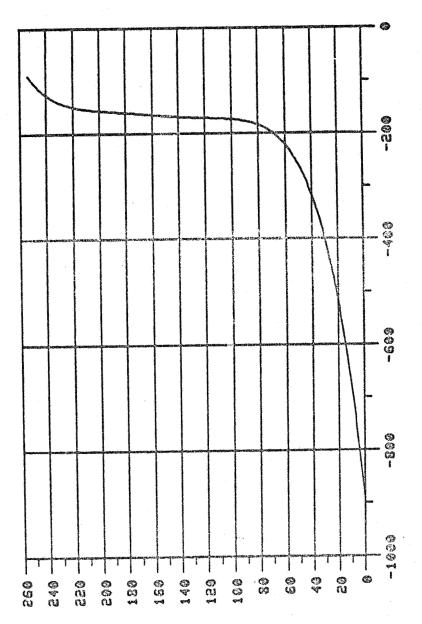
COUNTS US ENGINEERING UNITS FOR URATAZER



ENGINEERING UNITS — DEGREES

らしいりょく くりしにゅうしゅう

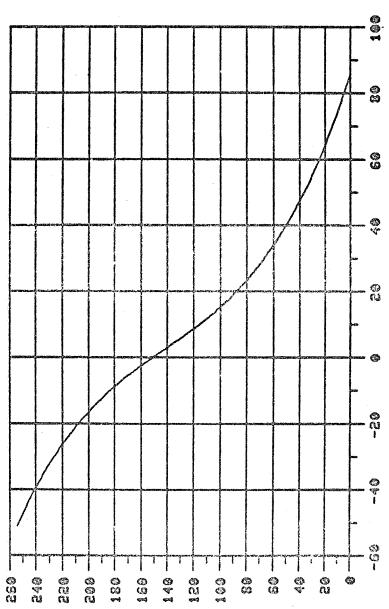
COUNTS US ENGINEERING UNITS FOR URATELER



ENGINEERING UNITS - dB

ちょいいい くりょうしょう

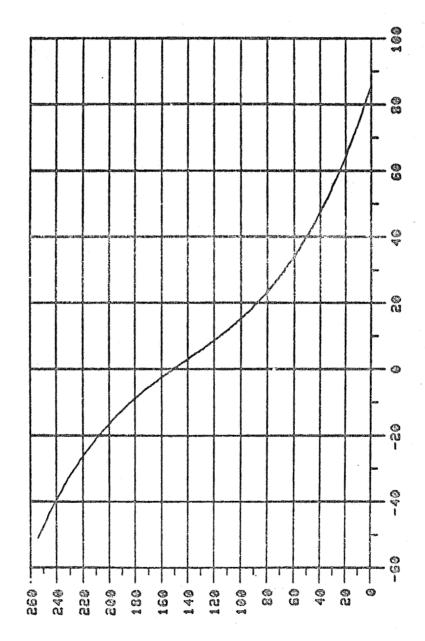
COUNTS US ENGINEERING UNITS FOR URATRSS



engineering units – °cent

MUSUNCE CODZEM

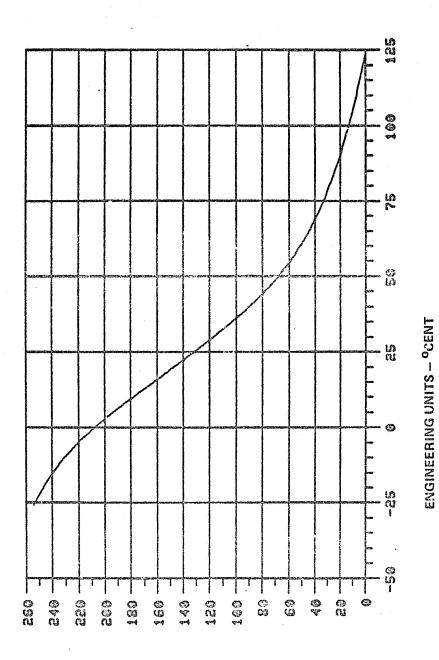
COUNTS US ENGINEERING UNITS FOR URAZMOTT



ENGINEERING UNITS - OCENT

MATERN COUTH

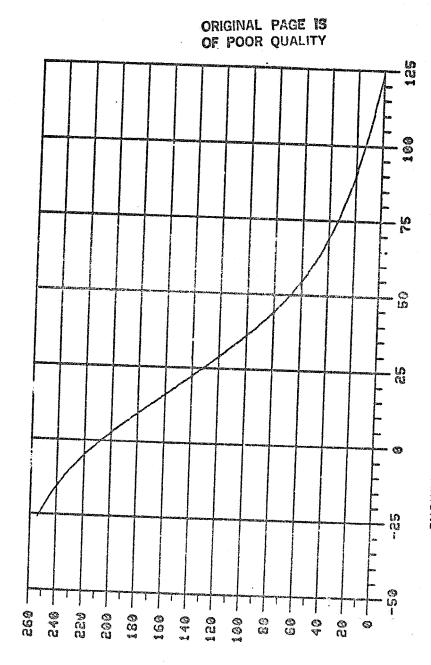
COUNTS US ENGINEERING UNITS FOR URELMOTT



PWZWEW-R> OOZEO

COUNTS US ENGINEERING UNITS FOR URIUSAT

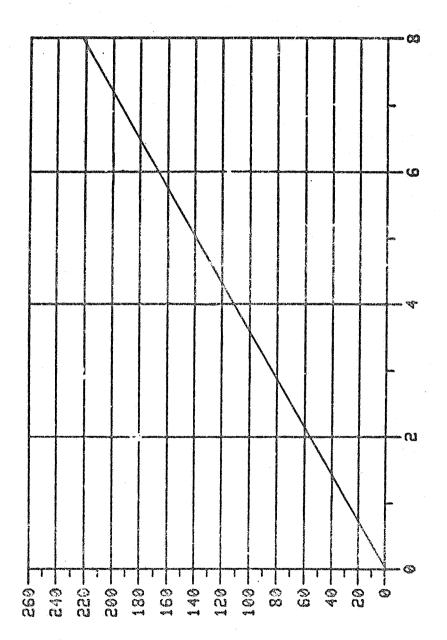
COUNTS US ENGINEERING UNITS FOR URIUSBT



ENGINEERING UNITS — OCENT

Fudusures costro

ORIGINAL PAGE IS OF POOR QUALITY



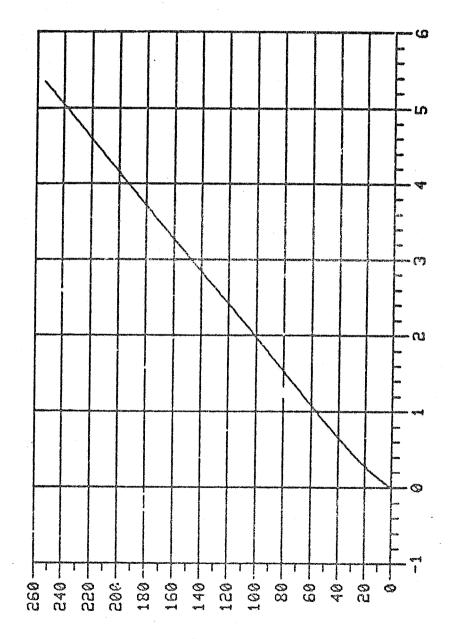
ENGINEERING UNITS - AMPS

トш」шшшьсь солино

COUNTS US ENGINEERING UNITS FOR URKBUSI

SVS-10266/3A Appendix A June 1982

ORIGINAL PAGE 19 OF POOR QUALITY



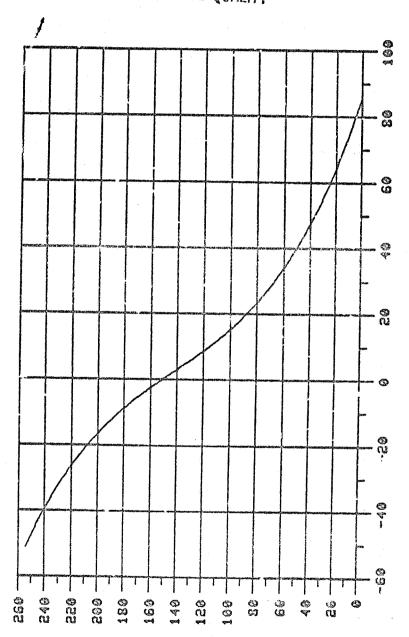
ENGINEERING UNITS - MAMPS

トミシロドラースト くりしだてら

COUNTS US ENGINEERING UNITS FOR URKHELI

SVS-10256/3A Appendix A June 1982

ORICINAL PAGE IS CF POOR QUALITY



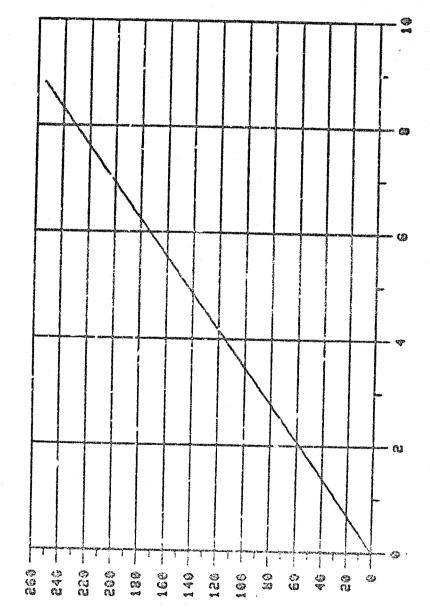
ENGINEERING UNITS - OCENT

トローロボルトに> くりつだトの

COUNTS US ENGINEERING UNITS FOR WRKTUTBT

. .

COUNTS US FRGINEERING UNITS FOR URPUCONU

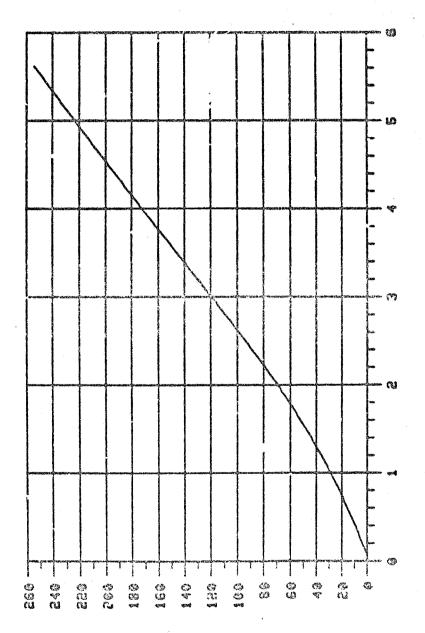


ENG" LERING UNITS

HUJUKUHE> OOZE-N

ORIGINAL PAGE IS

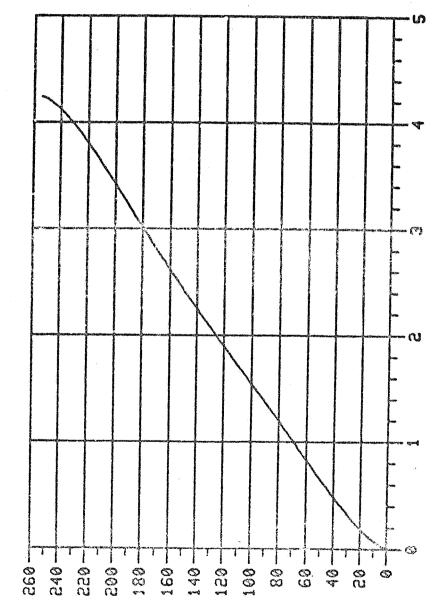
COUNTS US ENGINEERING UNITS FOR URABUSI



ENGINEERING UNITS

NAZEON CAREERA

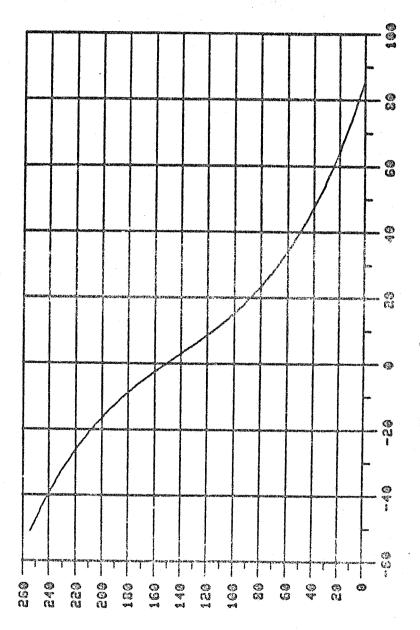
A. 17. 40



ENGINEERING UNITS - MAMPS

トモしほいしょう くりしれてら

COUNTS US ENGINEERING UNITS FOR URXHELI

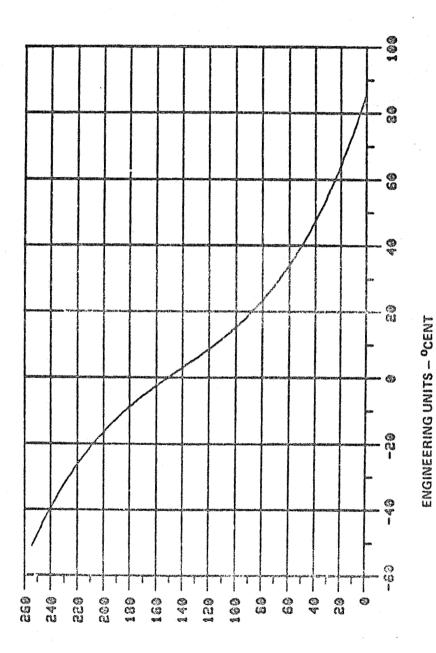


ENGINEERING UNITS - OCENT

MUSCOO KAHWIMEWH

COUNTS US ENGINEERING UNITS FOR URATUTAL

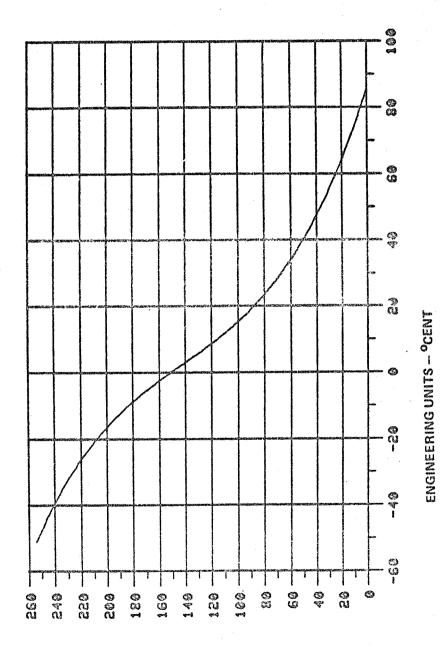
ORIGINAL PAGE IS OF POOR QUALITY



N-SCOO -CO-SULU-U-

Δ 17 EA

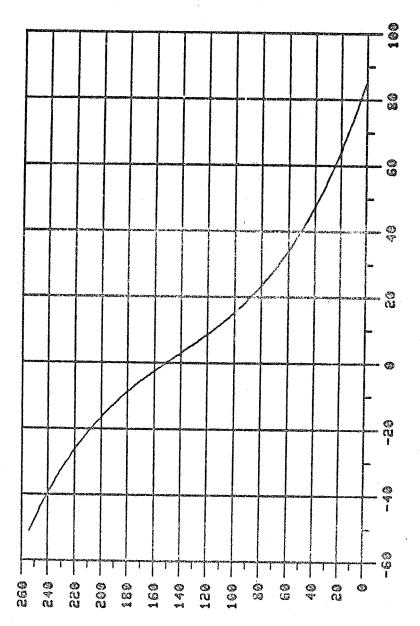
COUNTS US ENGINEERING UNITS FOR USPAREIT



COUNTS US ENGINEERING UNITS FOR USPAREST

トルコのと くりしましん

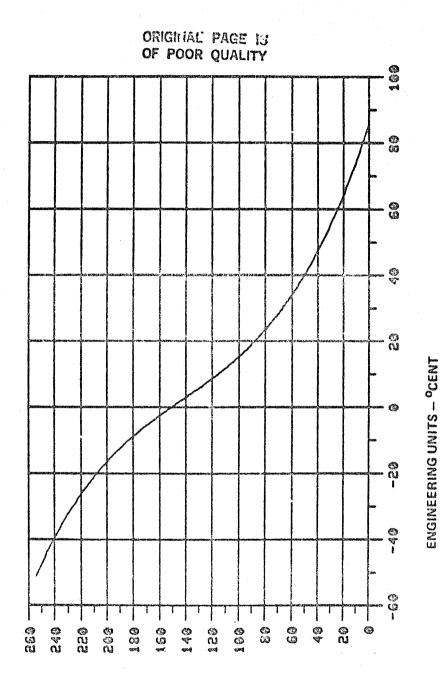
OF POOR QUALITY



ENGINEERING UNITS - OCENT

トピーピーはこ くりつて この

COUNTS US ENGINEERING UNITS FOR UTUTSIDT



-Wamemees coaren

## ORIGINAL PAGE 18 OF POOR QUALITY

SVS-10266/3A Appendix A June 1982

## APPENDIX A.14

## THEMATIC MAPPER (TM) TELEMETRY CALIBRATION DATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

ORIGINAL PAGE IS OF POOR QUALITY

TM CONV. DEF.

\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*

THERMAL POINT DEF.

```
DEF.
POINT
         TAEPAT
                    ; AMB EVEN PRE-AMP TEMP in deg. centigrade
COEFF
         TAEPAT
                      121.23,-1.9147,.019275,-1.1865E-4.3.7343E-7,-4.7899E-10
POINT
         TAFTSMT
                      SMA -X FLEX PIVOT TEMP in deg. centigrade
COEFF
         TAFTSMT
                      58.812,-0.40214,.72713E-3
                    ; AMB ODD PREAMP TEMP in deg. centigrade
POINT
         TACPAT
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
COEFF
         TAOPAT
POINT
         TB6PAT
                    ; BAND 6 POST AMP TEMP in deg. centigrade
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
COEFF
         TB6PAT
POINT
         TBAFFT
                    : BAFFLE TEMP in deq. centigrade
COEFF
                      -2.9072,.089583,.271155-3
         TBAFFT
POINT
         TEBHTRI
                    ; BLACKBODY HEATER CURRENT in
COEFF
         TBEHTRI
                      0.0.0.69755
POINT
         TBBT
                    ; BLACKBODY TEMPERATURE in deg. centigrade
COEFF
                      17.073,0.10263,.22576E-3
         TBBT
POINT
         TBFHTRI
                     BAFFLE HEATER CURRENT in
COEFF
         TBFHTRI
                      0.0,2.3474
POINT
                     MULTIPLEXER AVG BIT DENSITY in
         TBITDEN
         TBITDEN
                      7.2254,-.023958,.866E-5
COEFF
                      BACK-UP SHUTTER TEMP in deg. centigrade
POINT
         TBUST
COEFF
                      36.898,-.1598,.1957E-5
         TBUST
POINT
         TCALSHT
                     CAL SHUTTER HUB TEMP in deg. centigrade
COEFF
         TCAL SHT
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
         TCALST
POINT
                    ; CAL SHUTTER TEMP in deg. centigrade
COEFF
         TCAL ST
                      36.898,-.1598,.1957E-5
POINT
         TCAST
                     COOLER AMP STAGE TEMP in deg. centigrade
COSFF
         TCAST
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
         TCDT
POINT
                     COOLER DOOR TEMP in deg. centigrade
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343
COEFF
         TCDT
POINT
         TCFPACT
                    ; COLD FOCAL PLANE ASSY CNTRL TEMP in deg. centigrade
COEFF
         TCFPACT
                      -162.94, -0.1
POINT
         TCFPAHI
                    ; COLD FOCAL PLANE ASSY HTR CURRENT in
COEFF
         TCFPAHI
                      -.014284,0.028571
POINT
         TCFP AHT
                    ; COLD FOCAL PLANE ARRAY MONITOR TEMP in deg. centigrade
COEFF
         TCFPAMT
                      -162.94,-0.1
                    ; COLD PREAMP TEMP in deg. centigrade
POINT
         TCPAT
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
COEFF
         TCPAT
                    ; COLD STAGE TEMP A (COLD) in deg. centigrade
POINT
         TCSCT
COEFF
         TCSCT
                      -147.82,-.21332,.507E-4
POINT
         TCSHT
                    ; COLD STAGE TEMP B (HOT) in deg. centigrade
COEFF
         TCSHT
                      52.593,-1.3009,.11118E-2
POINT
         TCSHTRI
                    ; COLD STAGE HEATER CURRENT in
COEFF
         TCSHTRI
                     0.0,1.9801
POINT
         TOWNSMI
                    ; SMA +Z HOUSING TEMP in deg. centigrade
                      58.812,-.40214,.72713E-3
COEFF
         TDWNSMT
POINT
         TFWDSMT
                   ; SMA +X FLEX PIVOT TEMP in deg. centigrade
```

4

ORIGINAL PAGE IS OF POOR QUALITY

SVS-10266/3A Appendix A June 1982

```
58.812,-0.40214,.72713E-3
INTEMEDIATE STAGE TEMP A in deg. centigrade
COEFF
         TFWDSMT
POINT
         TISCT
COEFF
         TISCT
                      -0.1029E+3,-0.18536E00,.2145E-4
POINT
         TISHT
                      INTEMEDIATE STAGE TEMP B in deg. centigrade
COEFF
         TISHT
                      52.392,-1.1739,.10848E-2
POINT
         TIWIPOS
                      INCHWORM 1 POSITION in
COEFF
         TIWIPOS
                      -.015059,.11999E-3
                      INCHWORM 2 POSITION in
POINT
          TIW2POS
COEFF
         TIW2POS
                      -.015059,.11999E-3
POINT
          TIW3POS
                      INCHWORM 3 POSITION
COEFF
                       -.015059,.11999E-3
         TIWSPOS
                      CAL LAMP DRIVER TEMP in deg. centigrade
POINT
         TLMPDRT
         TLMPDRT
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
COEFF
POINT
          TLMPFT
                      CAL LAMP FILTER TEMP in deg. centigrade
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
         TLMPFT
COEFF
POINT
          TLMP STA3
                      TM CAL LAMP 3 STATUS in
         TLMP STA3
COEFF
                      0.0,.710553
POINT
          TM119VN
                      BAND 1 -19V SUPP VOLTAGE in volts
                      0.0,-0.10925
COEFF
          TM119VN
          TM1 19 VP
                      BAND I +19V SUPP YOUTAGE in volts
POINT
                      0.0,0.10992
          TM119VP
COEFF
POINT
          TM127VN
                      PWR SUPP 1 -27V SIA SUPP VLTG in volts
         TM127VN
                      0.0,-0.15253
COEFF
PGINT
          TM127VP
                      PWR SUPP 1 +27V SWA SUPP VLTG in voits
                      0.0,0.14604
COEFF
          TM127VP
                      PWR SUPP 1 +6.8V SMA SUPP VLTG in volts
POINT
          TM174
COEFF
         TM17V
                      0.0,0.031333
                      -19V HI CURRENT SUPP MONITOR in volts
POINT
          TM19VN
COEFF
          TM19VN
                      0.0, -0.1149
POINT
          TM19VP
                      +19V HI CURRENT SUPP MCNITOR in volts
          TM19VP
COEFF
                      0.0,0.11173
POINT
          TMIADVR
                      BAND I A/D REFERENCE YLTG in
COEFF
          TMIADVR
                      0.0.0.0200
                      BAND 2 -19V SUPP VOLTAGE in volts
POINT
          TM219VN
COEFF
          TM219VN
                      0.0,-0.10941
         TM219VP
                      BAND 2 +19Y SUPP VOLTAGE in volts
POINT
COEFF
          TM219VP
                      0.0,0.10903
POINT
          TM227VN
                      PWR SUPP 2 -27V SMA SUPP YLTG
COEFF
         TML27VN
                      0.0,-0.16046
POINT
          TM227VP
                      PWR SUPP 2 +27V SMA SUPP VLTG
COEFF
          TM227VP
                      0.0,0.14571
POINT
          TM27V
                      PWR SUPP 2 +6.8V SMA SUPP YLTG
COEFF
          TM27V
                      0.0,0.031229
POINT
          TM2ADVR
                      BAND 2 A/D REFERENCE YLTG
COEFF
          TM2ADYR
                      0.0,0.0200
          TM319VN
POINT
                      BAND 3 -19V SUPP VOLTAGE in volts
                      0.0,-0.10896
          TM319VN
COEFF
          TM319VP
                      BAND 3 +19V SUPP VOLTAGE in volts
POINT
COEFF
          TM319VP
                      0.0,0.10956
POINT
          TM33V
                      +33V SHUTTER DRIVE VOLTAGE in
COEFF
          TM33V
                      0.0,0.16305
POINT
          TM3ADVR
                      BAND 3 A/D REFERENCE YLTG in
                      0.0,0.0200
COEFF
          TM3ADVR
                      BAND 4 -19V SUPP VOLTAGE in volts
POINT
          TM419VN
COEFF
          TM419VN
                      0.0,-0.10902
POINT
          TM419VP
                      BAND 4 +19V SUPP VOLTAGE in volts
```

```
ORIGINAL PAGE IS
                                               OF POOR QUALITY
         TM419VP
                      0.0.0.10954
COEFF
POINT
         THAADVR
                      BAND 4 A/D REFERENCE VLTG in
COEFF
         TMAADVR
                      0.0,0.0200
POINT
         TM519VN
                      BAND 5/7 -19V SUPP VOLTAGE in volts
COEFF
         TM519VN
                      0.0,-0.10990
                      BAND 5/7 +19V SUPP VOLTAGE in volts
POINT
         TM519VP
COEFF
         TM519VP
                      0.0,0.10937
         TM5ADVR
POINT
                      BAND 5 A/D REFERENCE VLTG in
COEFF
         TM5ADVR
                      0.0,0.0200
POINT
         TM619VN
                      BAND 6 -19V SUPP VOLTAGE in volts
COEFF
         TM619VN
                      0.0.-0.11147
POINT
         TM619VP
                      BAND 6 +19V SUPP VOLTAGE in volts
                      0.0,0.10832
COEFF
         TM619VP
                      BAND 7 A/D REFERENCE VLTG in
POINT
         TM7ADVR
COEFF
         TM7ADVR
                      0.0,0.0200
POINT
         YO8MT
                      +80V HTR SUPP VOLTAGE in volts
COEFF
         TM80Y
                      0.0,0,4020
                      +8V SUPPLY MONITOR in volts
POINT
         TM8V
COEFF
         TMSY
                      0.0,0.036511
POINT
         TMIS19VN
                      ISOLATED -19V SUPP VOLTAGE in volts
COEFF
         TMIS19VH
                      0.0,-0.10969
POINT
         TMI S19VP
                      ISOLATED +19V SUPP VOLTAGE in voits
COEFF
         TMIS19VP
                      0.0,0.10954
POINT
         TMLMPII
                      CAL LAMP I CURRENT in
                      0.0,0.671969
COEFF
         TMIMPII
POINT
         TMLIP2I
                      CAL LAMP 2 CURRENT in
COEFF
         TMLMP2I
                      0.0,0.710553
POINT
         TMLMP3I
                      CAL LAMP 3 CURRENT in
COEFF
         TMLMP3I
                      0.0,0.710553
POINT
         TMLMPS
                     ALL CAL LAMPS ON in
COEFF
         TMLMPS
                      0.0,1.0
POINT
         TMP S1 I
                     PWR SUPP #1 IMPUT CURRENT in
COEFF
         TMP S1 I
                      0.0.0.02
         TMP S2 I
POINT
                     PWR SUPP #2 INPUT CURRENT in
         TMPS2I
COEFF
                      0.0,0.02
         TMSLC1 I
                      SLC 1 DRIVE CURRENT in
POINT
COEFF
         TMSLC1I
                     1.00,-0.0080
                      SLC 2 DRIVE CURRENT in
POINT
         TMSLC2I
                      1.00,-0.0080
COEFF
         TMSLC2I
POINT
         TMUX13VN
                    : MULTIPLEXER -13V SUPP VLTG in volts
         TMUX13VN
                      0.0,-0.059269
COEFF
         TMUX18VP
                     MULTIPLEXER +18V SUPP VLTG in volts
POINT
COEFF
         TMUX18VP
                      0.0,0.084983
                     +30V MULTIPLEXER SUPP VLTG in volts
         TMUX30V
POINT
         TMUX30V
COEFF
                      0.0,0.14282
         TMUX3VN
POINT
                    ; MULTIPLEXER -3V SUPP VLTG in volts
                      0.0,-0.010517
COEFF
         TMUX3VN
POINT
         TMUX5VN
                     MULTIPLEXER -5V SUPP VLTG in volts
COEFF
         TMUX5VN
                      0.0,-0.0237
                    ; MULTIPLEXER +5V SUPP VLTG in volts
         TMUX5VP
POINT
COEFF
         TMUX5VP
                      0.0,0.023473
                     MULTIPLEXER ELEC TEMP in deg. centigrade
POINT
         TMUXET
COEFF
         TMUXET
                     114.34,-2.7642,.036171,-.25821E-3,.89301E-6,-.11776E-8
POINT
         TMUX I
                     MULTIPLEXER IMPUT CURRENT in
         IXUMT
                      0.0,0.01858
COEFF
POINT
         TMUXPST
                    ; MULTIPLEXER PWR SUPP TEMP in deg. centigrade
```

SVS-10266/3A

Appendix A

June 1982

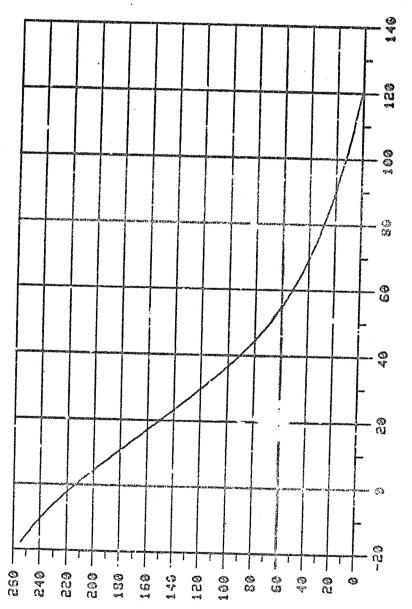
## ORIGINAL PAGE IS OF POOR QUALITY

SVS-10266/3A Appendix A June 1982

```
COEFF
          TMUXPST
                      114.34,-2.7692,.036171,-.25321E-3,.69301E-6,-.11776E-8
POINT
          TMVU9V
                      CDYU +9Y SUPP VOLTAGE in volts
COEFF
          TMYU9Y
                       0.0,0.0357
POINT
          TPMMT
                     ; PRI MIRROR MASK TEMP in deg. centigrade
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
PRI MIRROR TEMP in deg. centigrade
COEFF
          TPMMT
POINT
          TPMT
COEFF
          TPMT
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
                      PWR SUPP TEMP in deg. centigrade
POINT
          TPST
COEFF
          TPST
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
POINT
          TRFINT
                      +Y RADIATOR FIN TEMP in deg. centigrade
COEFF
          TRFINT
                       121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
                      RELAY OPTICS TEMP in deg. centigrade
POINT
          TROT
                       121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
COEFF
          TROT
POINT
          TSAMT
                      SCAN ANGLE MONITOR TEMP in deg. centigrade
COEFF
          TSAMT
                       58.812,-.40214,+.72713E-3
POINT
          TSIFPT
                    ; SILICON FOCAL PLANE TEMP in deg. centigrade
COEFF
          TSISPT
                       5.0,0.10724,-3.1113E-4,.10253E-5,-.39292E-8,.94894E-11
POINT
          TSL115V
                      SLC 1 +/-15V SUPP VLTG in volts
COEFF
          TSL1157
                      0.0,0.02
POINT
          TSL15YP
                       SLC 1 +5V SUPP VLTG in volts
          TSL15VP
                      0,0.040
COEFF
POINT
          TSL215V
                      SLC 2 +/-15V SUPP VLTG in volts
          TSL215V
COEFF
                      0.0,0.02
          TSL25VP
POINT
                      SLC 2 +5V SUPP VLTG in volts
COEFF
          TSL25VP
                      0.0,0.040
POINT
          TSLCT
                      SLC TEMP in deg. centigrade
COEFF
          TSLCT
                      147.84,-1.8384,.016092,-.92715E-4,.2839E-6,-.36832E-9
                      SMA ELEC TEMP in deg. centigrade
POINT
          TSMAET
COEFF
          TSMAET
                      47.247,-0.48988,.10522E-2
POINT
          TSMMT
                      SECONDARY MIRROR MASK TEMP in deg. centigrade
COEFF
         TSMMT
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
POINT
          TSMT
                      SECONDARY MIRROR TEMP in deg. centigrade
COEFF
                      121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
         TSMT
                    ; SUNSHIELD TEMP in deg. centigrade
, 121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
POINT
          TSST
COEFF
         TSST
                    ; TELESCOPE BASEPLATE TEMP in deg. centigrade
POINT
         TTBPT
                    , 121.23,-1.9147,.019275,-1.1865Ě-4,3.7343E-7,-4.7899E-10
COEFF
         TTBPT
                    ; TELESCOPE HOUSING TEMP in deg. centigrade
POINT
         TTHT
COEFF
                    , 121.23,-1.9147,.019275,-1.1865E-4,3.7343E-7,-4.7899E-10
         THTT
POINT
         TUPSMT
                    ; SMA -Z HOUSING TEMP in dec. centigrada
COEFF
         TUPSMT
                      58.812,-.40214,.72713E-3
```

SVS-10266/CA Appendix A June 1982

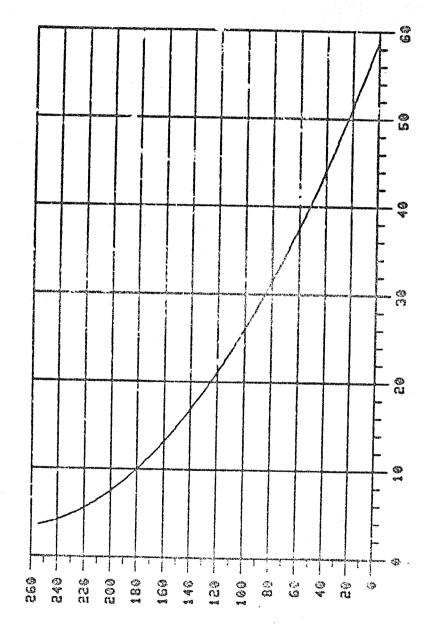
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - "CENT

FW-WEWFES CODZES

COUNTS US ENGINEERING UNITS FOR TREPAT

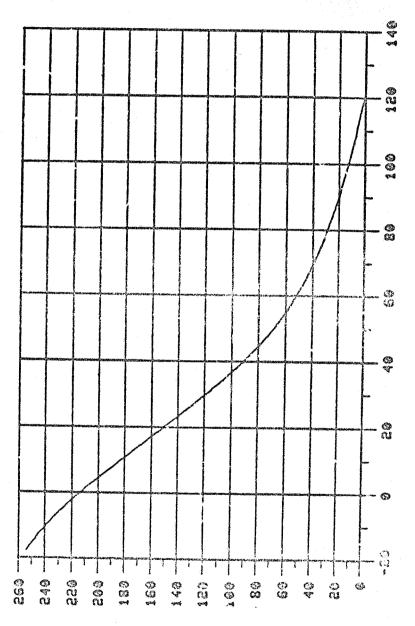


ENGINEERING UNITS - OCENT

トயコピピルトペン ひつごとの

COUNTS US ENGINEERING UNITS FOR TAFTSHI

ORIGINAL PAGE IS OF POOR QUALITY



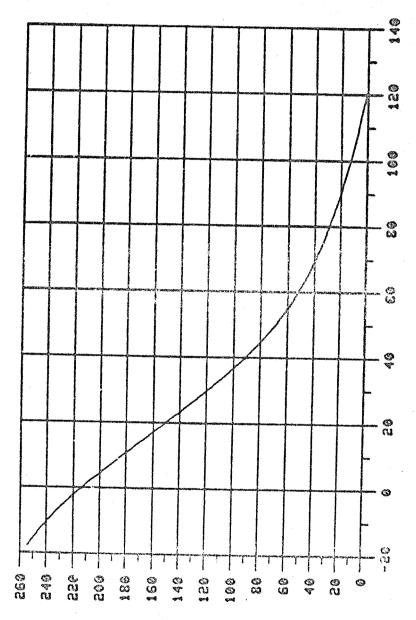
ENGINEERING UNITS – <sup>O</sup>CENT

PULUEUPE> CODZEG

COUNTS US ENGINEERING UNITS FOR TROPAT

Δ 1.4...0

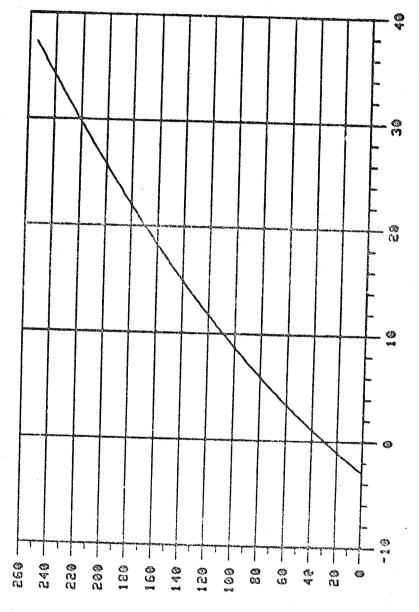
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - OCENT

PMTMEMPE> CODEFU

COUNTS US ENGINEERING UNITS FOR TESPAT

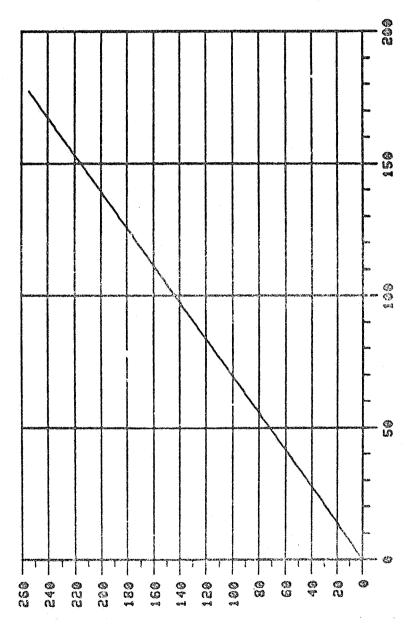


ENGINEERING UNITS - OCENT

rulusures cooken

COUNTS US ENGINEERING UNITS FOR TBAFFF

ORIGINAL PAGE IS OF POOR QUALITY

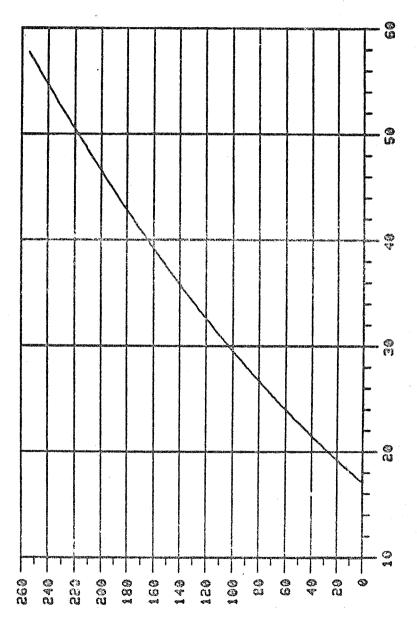


engineering units – manifs

PULLOS COUZERO

COUNTS US ENGINEERING UNITS FOR TRENTRI

ORIGINAL PAGE IS OF POOR QUALITY

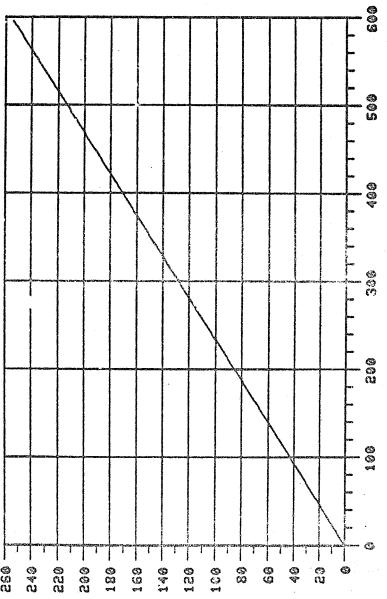


ENGINEERING UNITS - OCENT

COUNTS US ENGINEERING UNITS FOR TBBT

トயールをはって> 00コストの

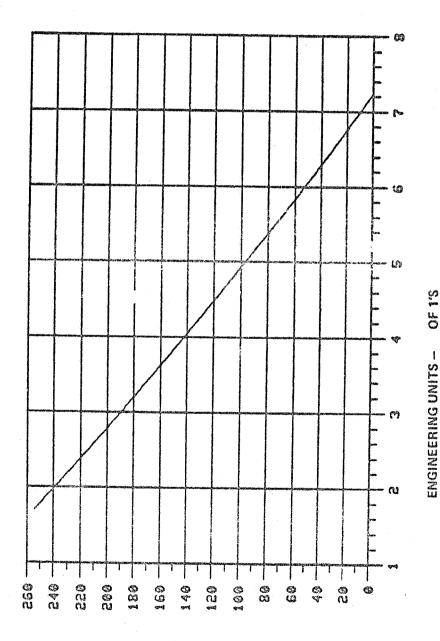
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - MAMPS

COUNTS US ENGINEERING UNITS FOR TBENTRI

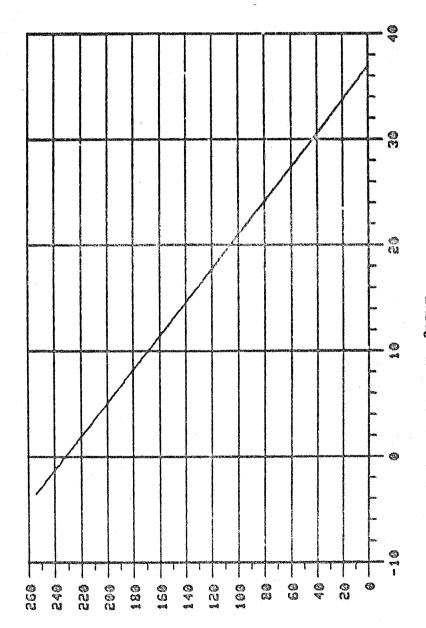
トローロエロトは> いつコストの



トロニロと くりっぱっぷっ

COUNTS US ENGINEERING UNITS FOR TRITDEN

ORIGINAL PAGE IS OF POOR QUALITY

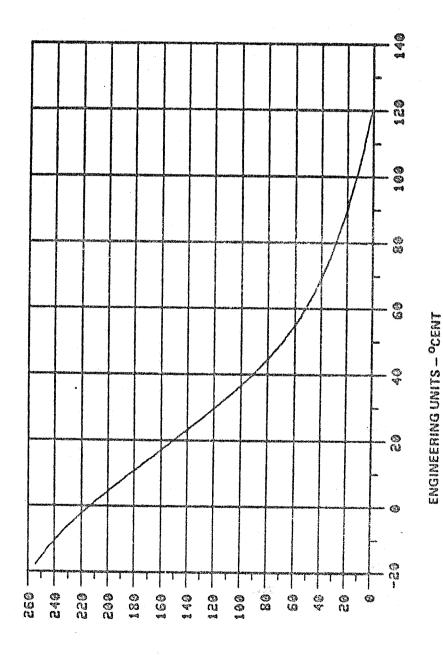


engineering units – <sup>9</sup>cent

HULUEMPER CODEFU

COUNTS US ENGINEERING UNITS FOR TBUST

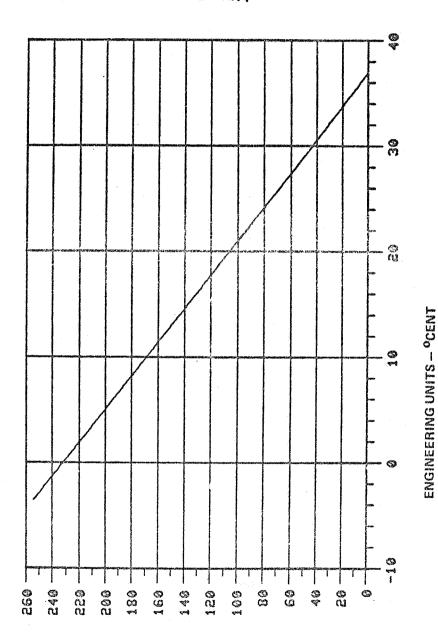
ORIGINAL PAGE IS OF POOR QUALITY



-MUMEM-R> CODERN

COUNTS US ENGINEERING UNITS FOR TCALSHT

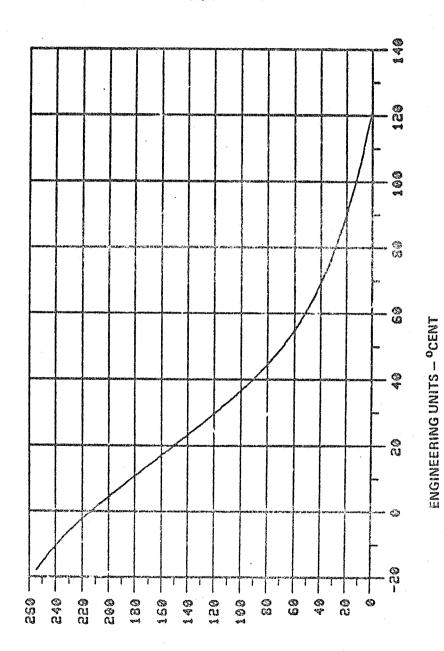
ORIGINAL PAGE IS OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR TCALST

FWJWZWFC> CODZEO

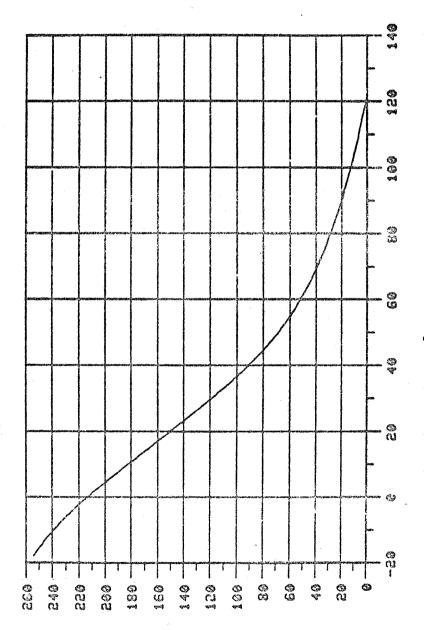
ORIGINAL PAGE IS OF POOR QUALITY



-mamem-e> cose-o

COUNTS US ENGINEERING UNITS FOR TCAST

ORIGINAL PAGE IS OF PCOR QUALITY



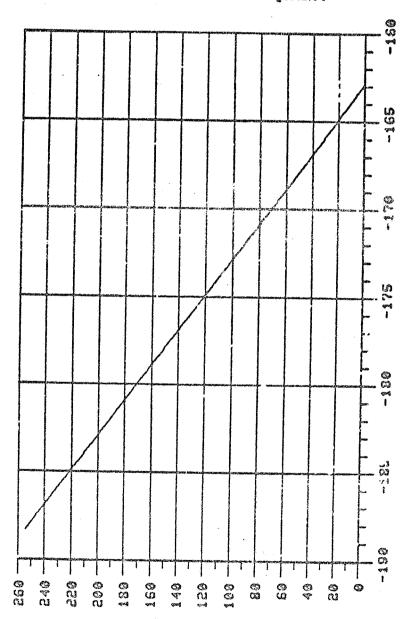
ENGINEERING UNITS — OCENT

HUJUEUPES CODZEG

COUNTS US ENGINEERING UNITS FOR TODY

SVS-16266/JA Appendie A June 1982

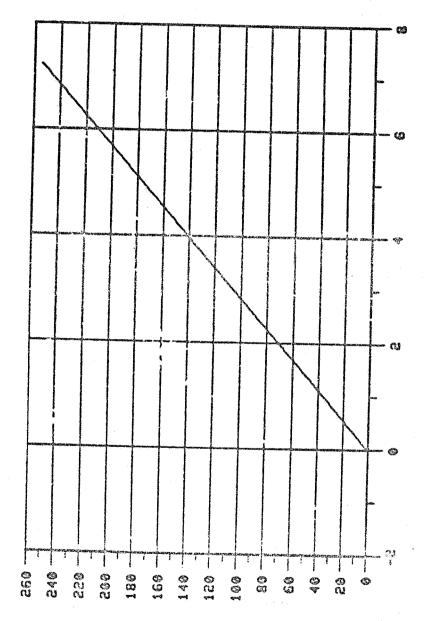
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - OK

rulumura> coomeo

COUNTS US ENGINEERING UNITS FOR TCFPACT

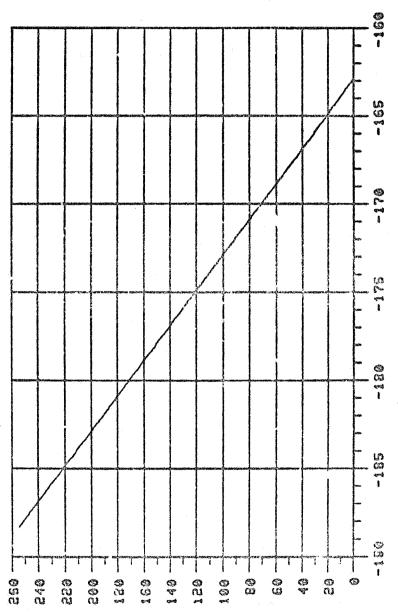


ENGINEERING UNITS - MAMPS

トミーにいり くりしにてら

COUNTS US ENGINEERING UNITS FOR TCFPANI

ORIGINAL PAGE IS OF POOR QUALITY

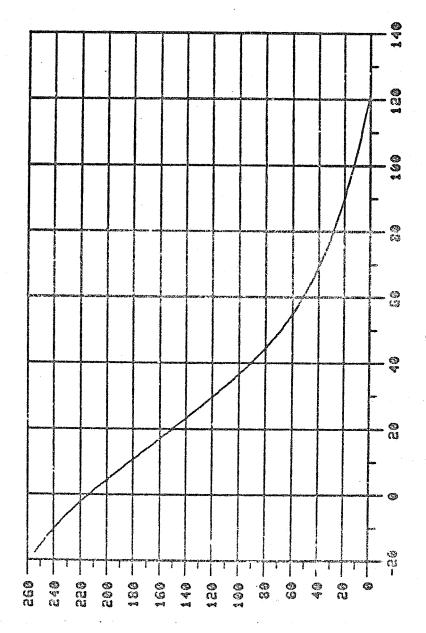


ENGINEERING UNITS - OK

HUJUEWHES COSEHO

COUNTS US ENGINEERING UNITS FOR TCFPANT

CRIGINAL PAGE IS OF POOR QUALITY

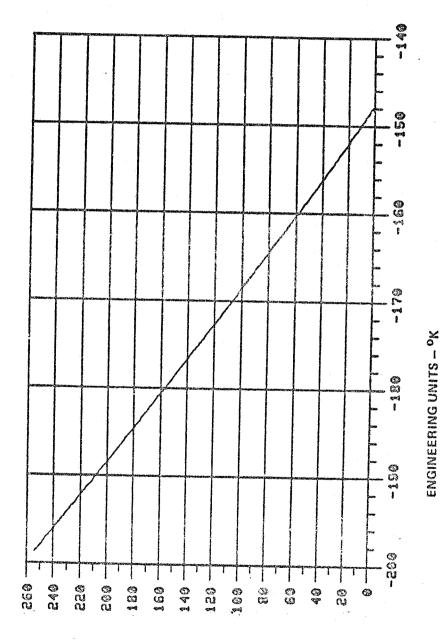


ENGINEERING UNITS - OCENT

トローロエルトは> ひのコストの

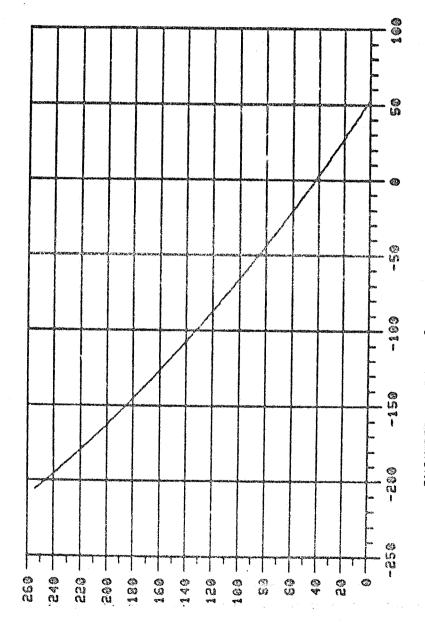
COUNTS US ENGINEERING UNITS FOR TOPAT

ORIGINAL PAGE IS OF POOR QUALITY



いっぱん くりょうしゅん

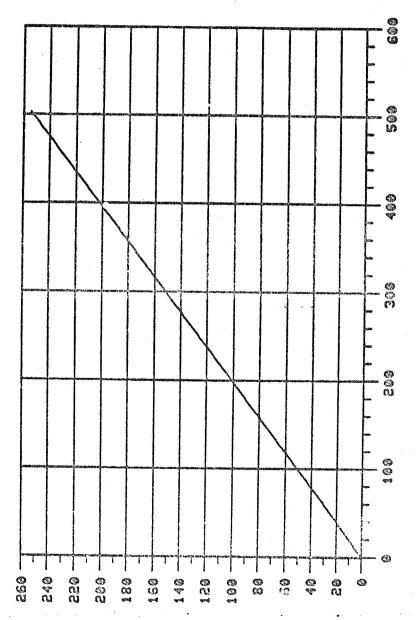
COUNTS US ENGINEERING UNITS FOR TCSCT



ENGINEERING UNITS - OK

P J-WEWPG> CODZEM

COUNTS US ENGINEERING UNITS FOR TCSMT

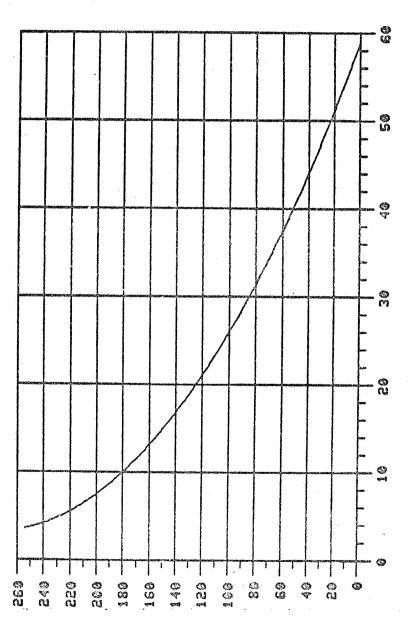


ENGINEERING UNITS - MAMPS

HULUEMPED CODEFU

COUNTS US ENGINEERING UNITS FOR TCSMTRI

ORIGINAL PAGE IS OF POOR QUALITY

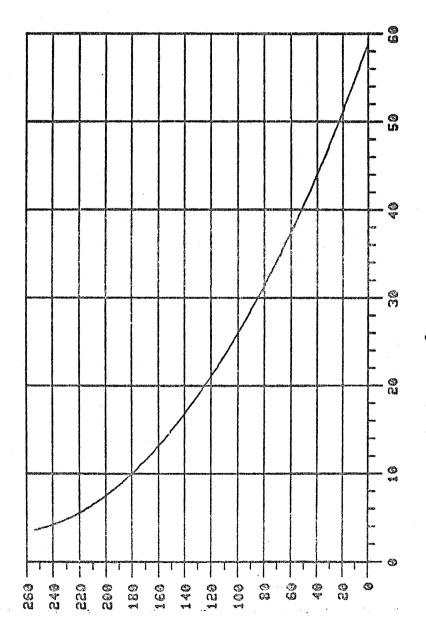


ENGINEERING UNITS - "CENT

COUNTS US ENGINEERING UNITS FOR TOUNSMI

トミュニア くりしだしい

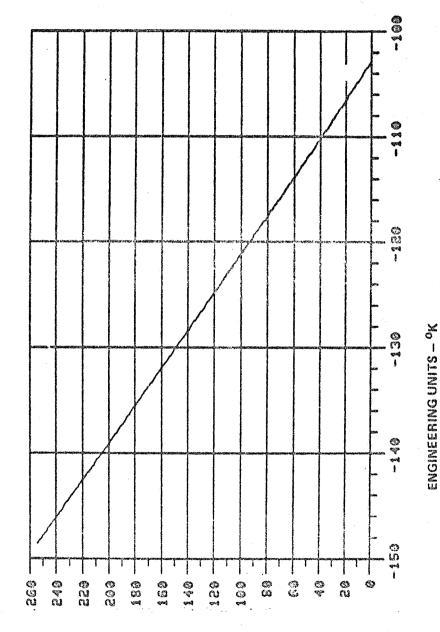
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS — OCENT

FULUEUFES CODZEG

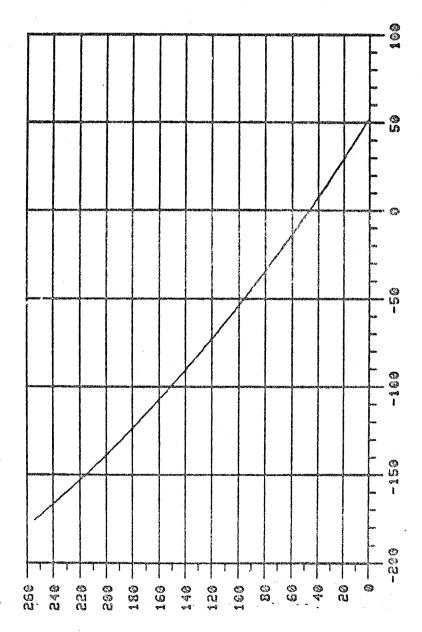
COUNTS US ENGINEERING UNITS FOR TFUDSNI



MUZUEW CODZEN

COUNTS US ENGINEERING UNITS FOR TISCT

ORIGINAL PAGE 19 OF POOR QUALITY

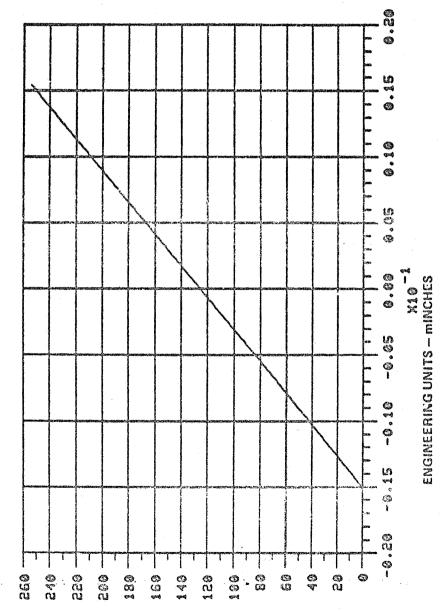


ENGINEERING UNITS - OK

PHILDO KAHMIMPH

COUNTS US ENGINEERING UNITS FOR TISHT

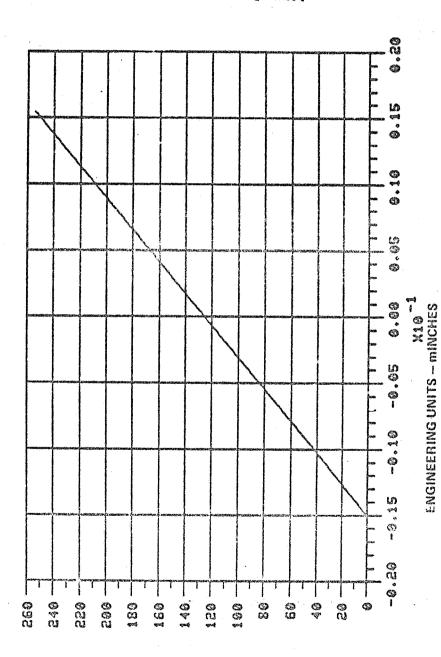
OF POOR QUALITY



HULLUEUPC> CODZEG

COUNTS US ENGINEERING UNITS FOR TIUIPOS

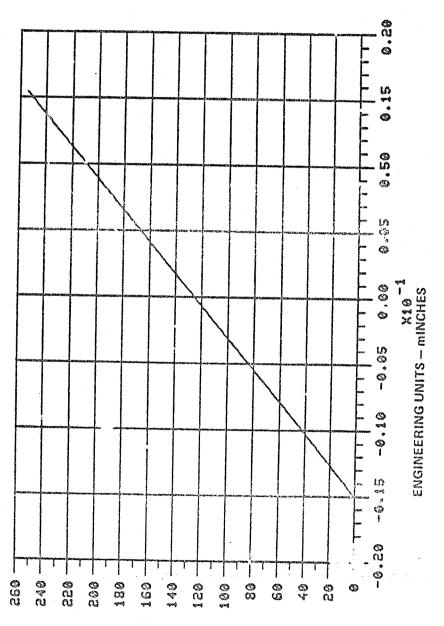
## ORIGINAL PAGE IS OF POOR QUALITY



トローロスにって くりつだとい

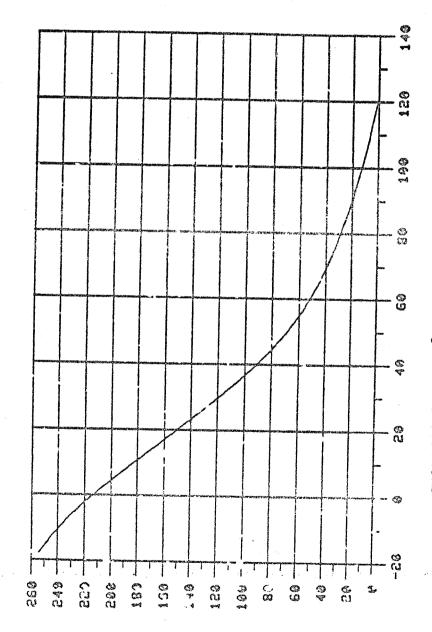
COUNTS US ENGINEERING UNITS FOR TIUPPOS

ORIGINAL PAGE IS OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR TIU3POS

## ORIGINAL PAGE 19 OF POOR QUALITY

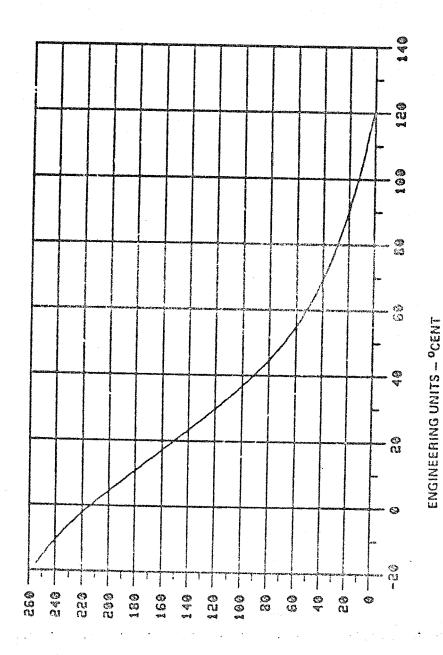


ENGINEERING UNITS - OCENT

NAZEOO < SAUSULU

COUNTS US ENGINEERING UMITS FOR TLAPDRY

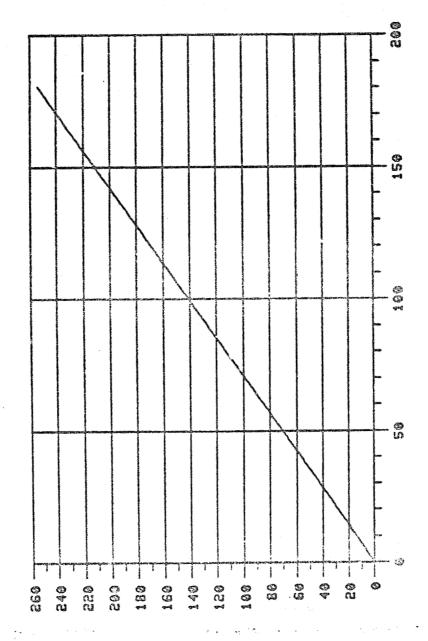
超过



トピーロロロースト 00コミトの

COUNTS US ENGINEERING UNITS FOR TLAPFT

ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS

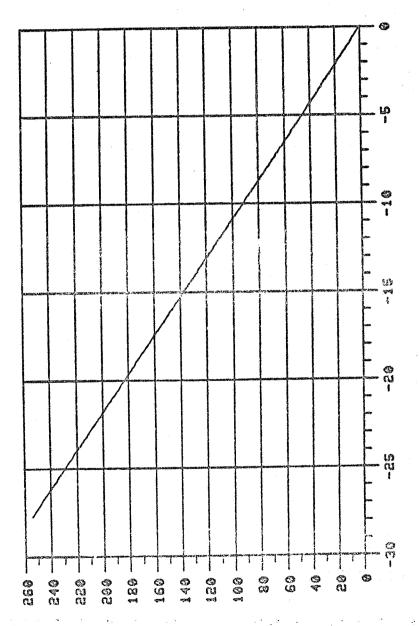
HUJUEUHC> CODEHG

1

COUNTS US ENGINEERING UNITS FOR TLAPSTAR

A . A --

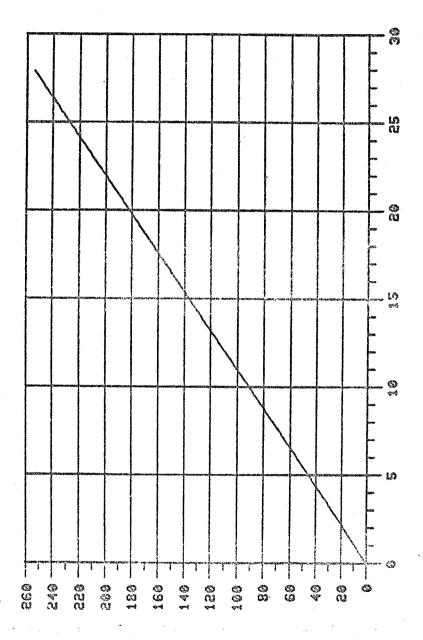
## ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - VOLTS

COUNTS US ENGINEERING UNITS FOR THI19UM

ORIGINAL PAGE IS OF POOR QUALITY

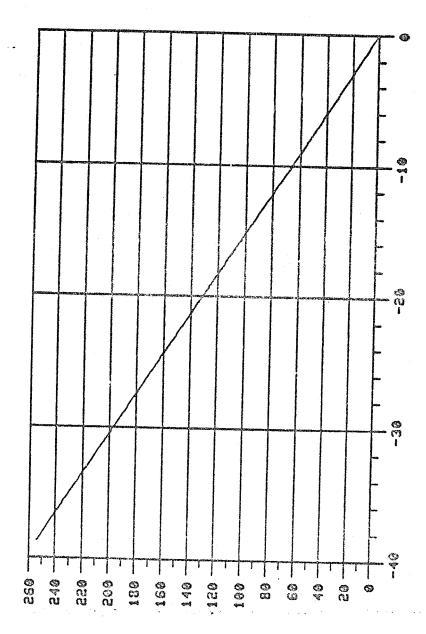


ENGINEERING UNITS - VOLTS

PERSON COUSEN

COUNTS US ENGINEERING UNITS FOR TM119UP

ORIGINAL PAGE IS OF POOR QUALITY

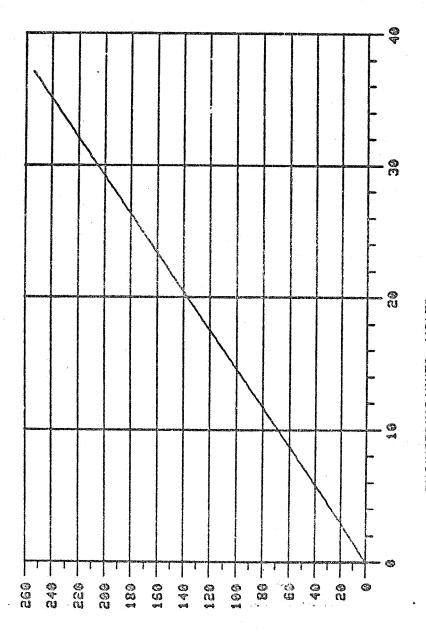


ENGINEERING UNITS - VOLTS

PULLENPED CODEFU

COUNTS US ENGINEERING UNITS FOR THIRTUN

ORIGINAL PAGE IS OF POOR QUALITY

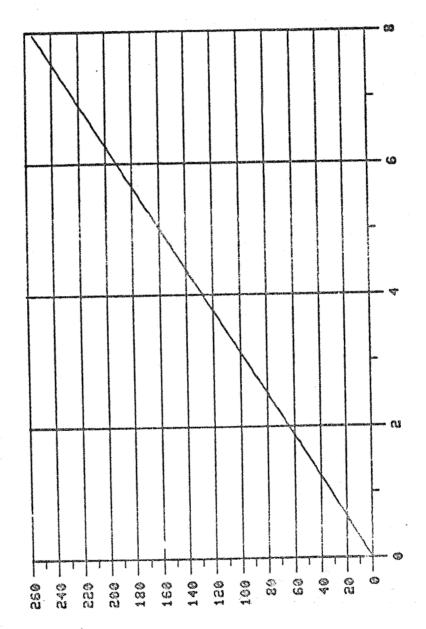


ENGINEERING UNITS - VOLTS

NAZEOO KAHUZULUH

COUNTS US ENGINEERING UNITS FOR TRI27UP

ORIGINAL PAGE IS OF POOR QUALITY

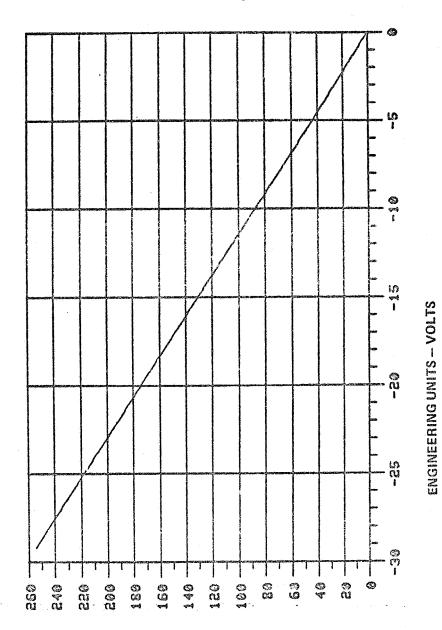


ENGINEERING UNITS - VOLTS

トほしほだましなり ひりがたら

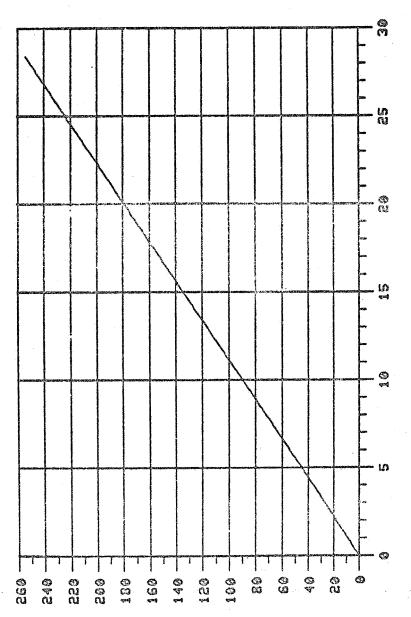
COUNTS US ENGINEERING UNITS FOR TRITU

ORIGINAL PAGE IS OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR THISUN

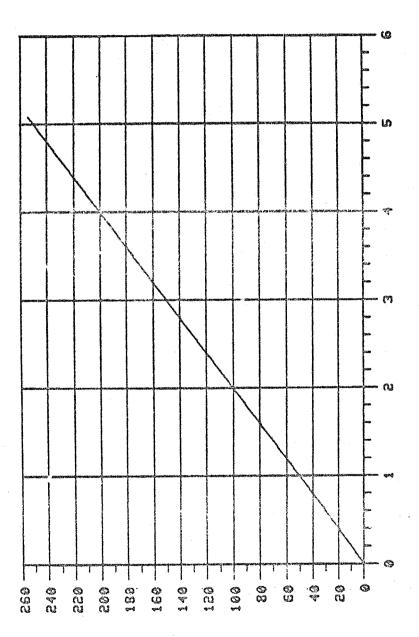
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - VOLUS

COUNTS US ENGINEERING UNITS FOR TRISUP

## ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - VOLTS

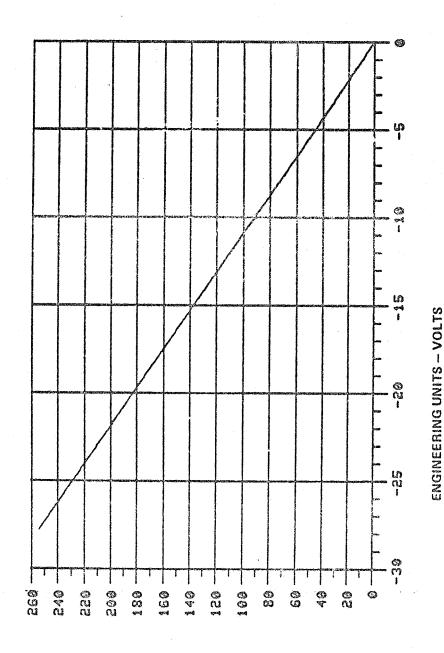
emamemers coured

COUNTS US ENGINEERING UNITS FOR THIADUR

ORIGINAL PAGE IS OF POOR QUALITY

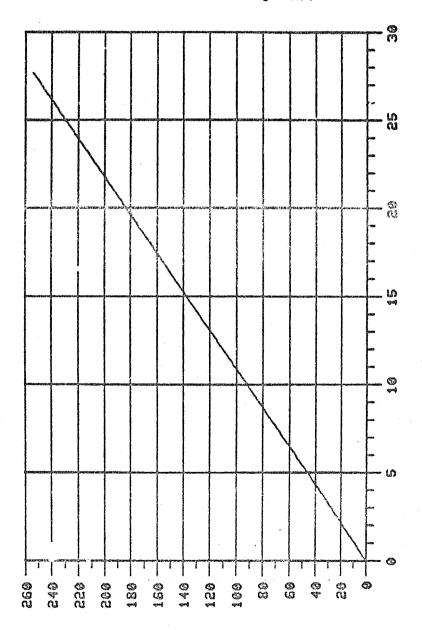
1

COUNTS US ENGINEERING UNITS FOR TREIBUN



PHUMBUPED CODZEN

ORIGINAL PAGE IS OF POOR QUALITY



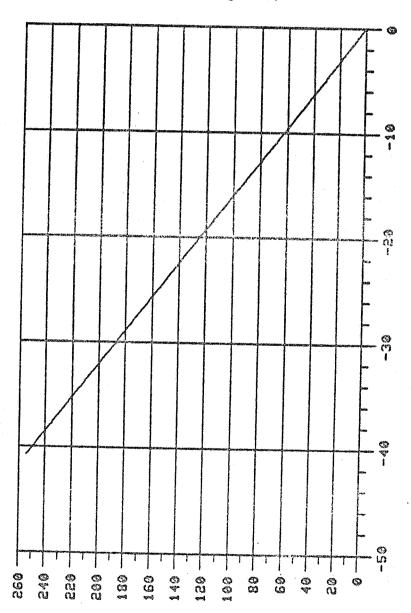
ENGINEERING UNITS - VOLTS

トニュニア くりしだりの

COUNTS US ENGINEERING UNITS FOR THAISUP

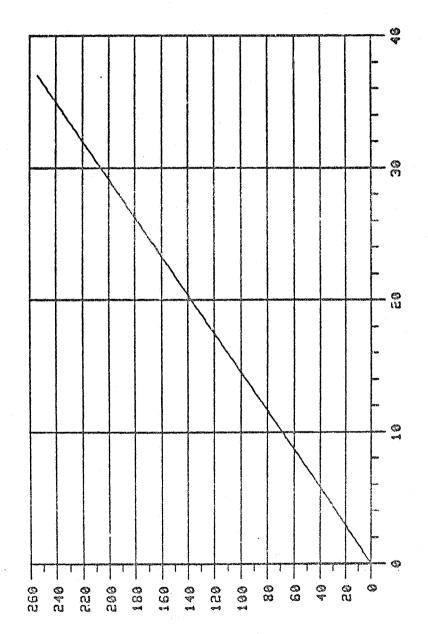
ORIGINAL PAGE IS OF POOR QUALITY

COUNTS US ENGINEERING UNITS FOR THRETUN



ENGINEERING UNITS - VOLTS

ORIGINAL FREE 13 OF POOR QUALITY



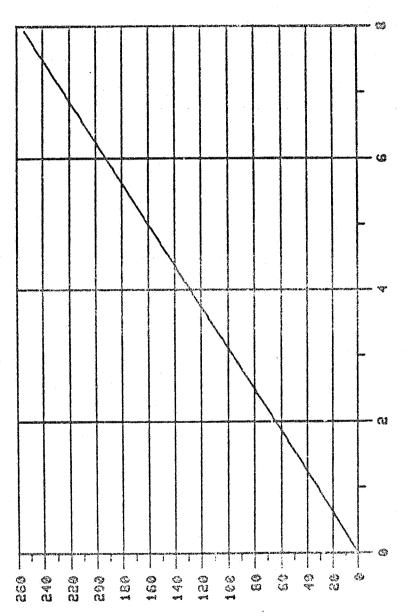
ENGINEERING UNITS - VOLTS

HMTMEMPG> COUSER

COUNTS US ENGINEERING UNITS FOR TREETUP

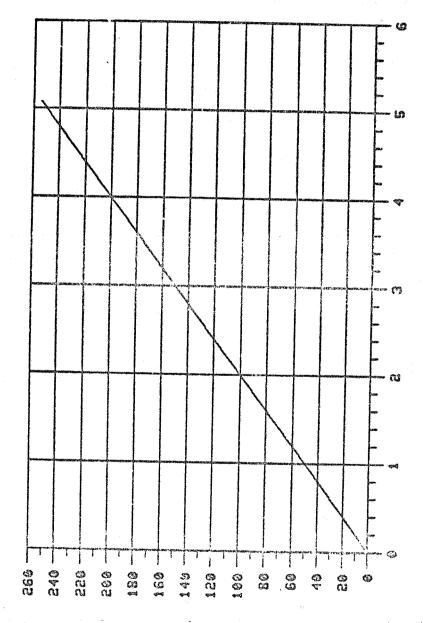
COUNTS US ENGINEERING UNITS FOR TRETU

ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - VOLTS

PHUMEMPR> COUZEN



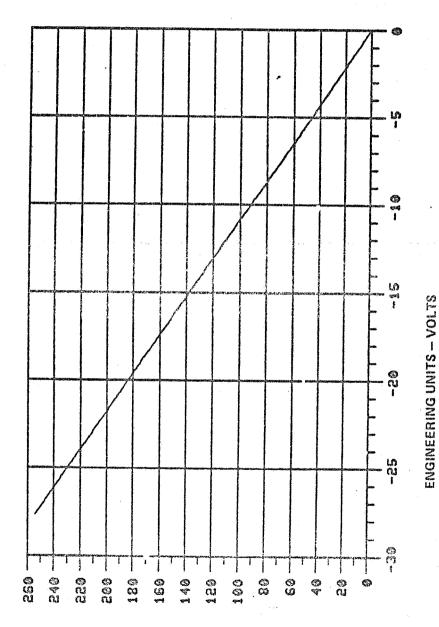
ENGINEERING UNITS - VOLTS

PULLUC KRAMEMPA

COUNTS US ENGINEERING UNITS FOR THRADUR

ক ধর জন

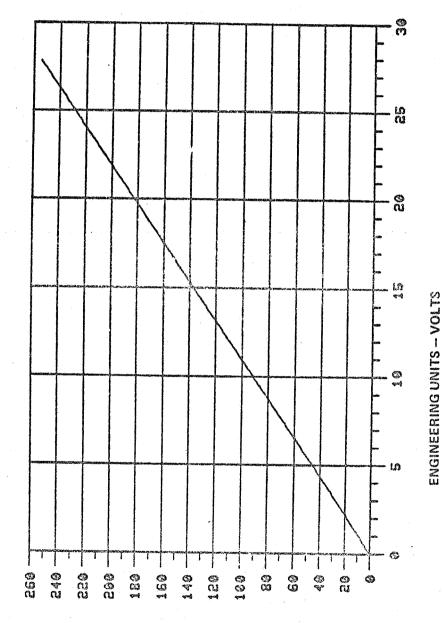
ORIGINAL PACE IS DE POOR QUALITY



N-INCO CHAMBMEM-

COUNTS US ENGINEERING UNITS FOR THOISUN

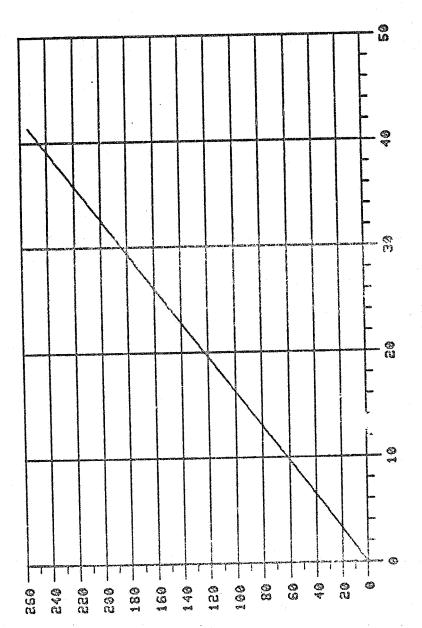
6.14 51



トニコロにはして> 00コエトの

COUNTS US ENGINEERING UNITS FOR TH319UP

OR'GINAL PAGE IS OF POOR QUALITY



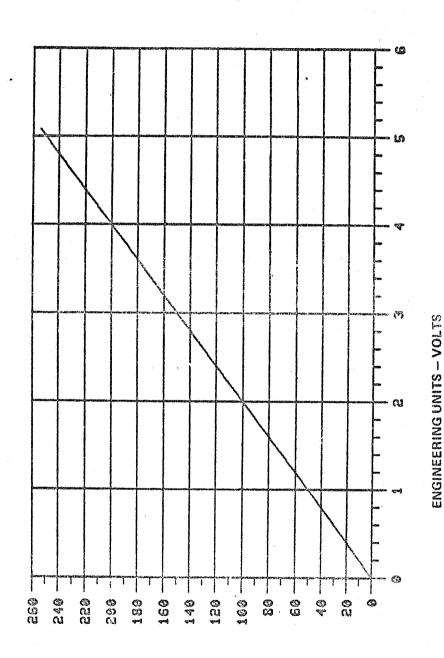
ENGINEERING UNITS - VOLTS

HUNDERS CODEFU

COUNTS US ENGINEERING UNITS FOR TRABU

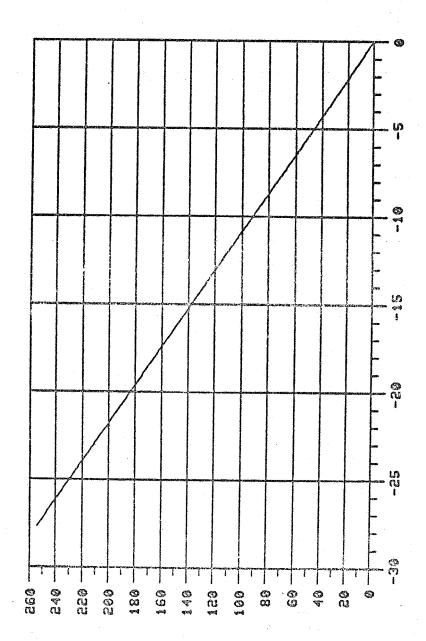
44.53

COUNTS US ENGINEERING UNITS FOR THEADUR



トローロミロトペン いつコアトの

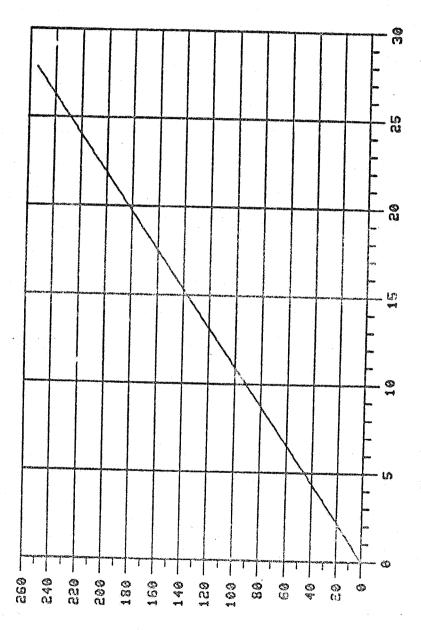
COUNTS US ENGINEERING UNITS FOR TH419UN



ENGINEERING UNITS - VOLTS

トローローにっ くりつてとの

ORIGINAL PAGE IS OF POOR QUALITY

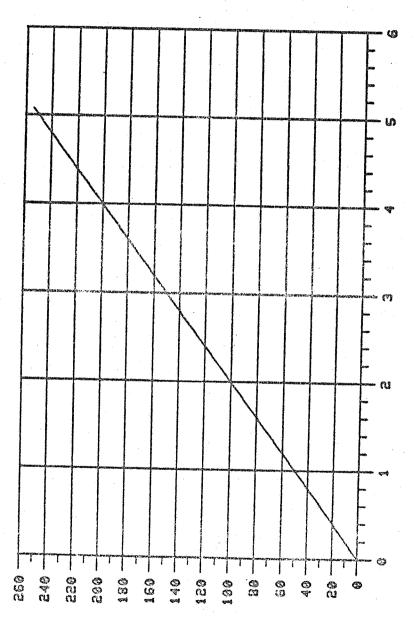


ENGINEERING UNITS - 7. 7.5

トロンロエロトは> 00コストの

COUNTS US ENGINEERING UNITS FOR TH419UP

ORIGINAL PAGE 13 OF POOR QUALITY

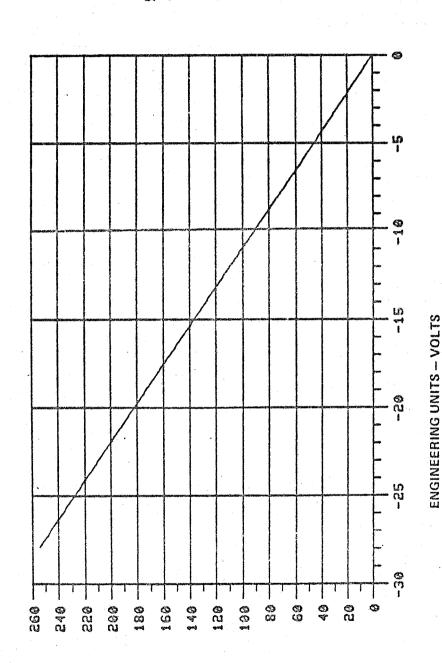


ENGINEERING UNITS - VOLTS

PHUMEMPR> 003ZF0

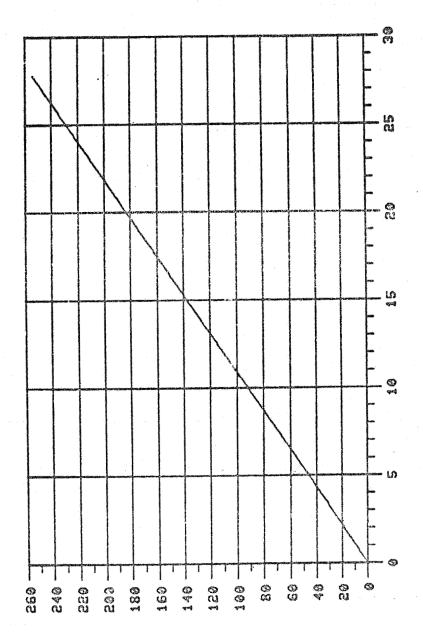
COUNTS US ENGINEERING UNITS FOR THANDUR





HULUEUPED OODZEG

ORIGINAL PAGE IS OF POOR QUALITY

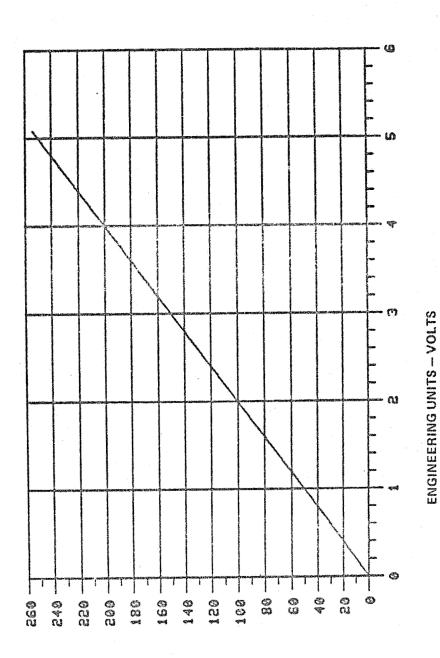


ENGINEERING UNITS - VOLTS

-waluzure> coazro

COUNTS US ENGINEERING UNITS FOR THS19UP

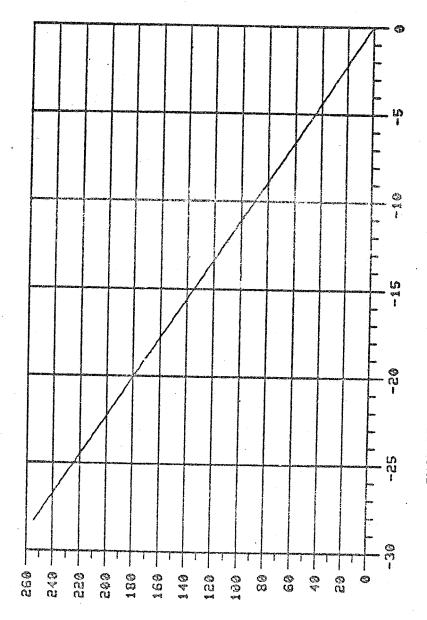
ORIGINAL PAGE IS OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR THSABUR

しゅうにゅう くりしにゅう

ORIGINAL PAGE IS OF POOR QUALITY

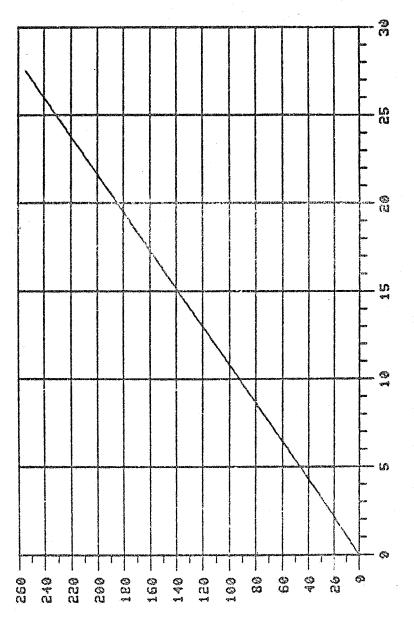


ENGINEERING UNITS - VOLTS

**しまれてい くりっぱりの** 

COUNTS US ENGINEERING UNITS FOR TREISUN

ORIGINAL PAGE IS OF POOR QUALITY

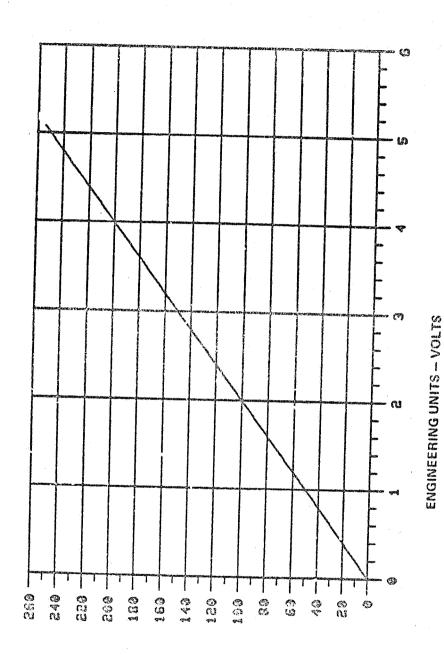


**ENGINEERING UNITS - VOLTS** 

トローロにロトペン くりつだけん

COUNTS US ENGINEERING UNITS FOR TR619UP

COUNTS US ENGINEERING UNITS FOR THTABUR

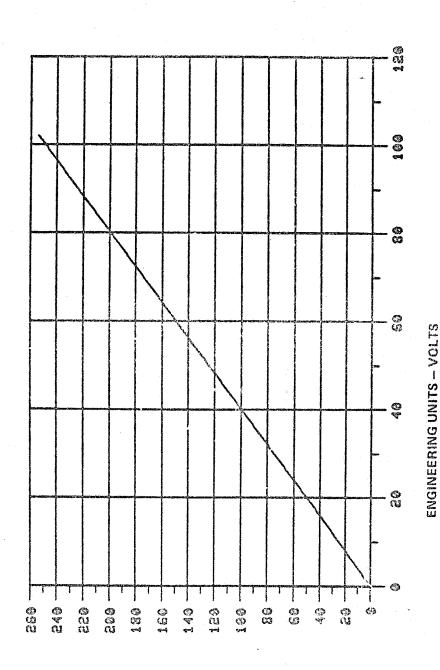


HUMBUFED CONZEG

C - 40

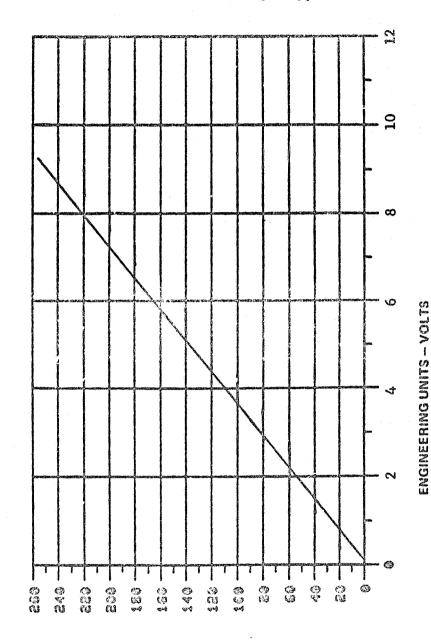
A. 14-07

COUNTS US ENGINEERING UNITS FOR THROU



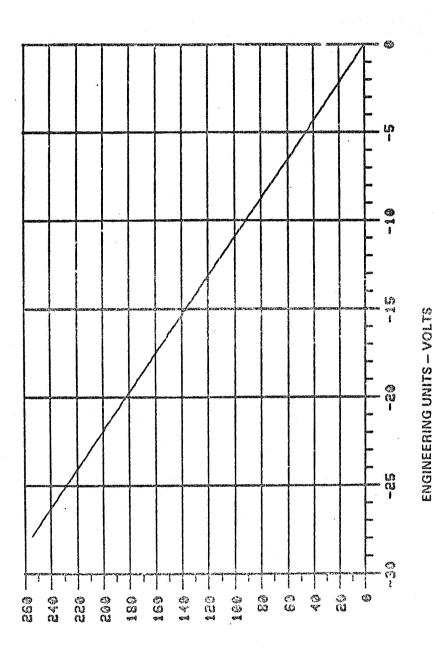
PHIMEMPR> CODZEN

ORICMAL PAGE IS OF POOR QUALITY



NAZEOU «XHUZWEWA

ORIGINAL PAGE IS OF POOR QUALITY



HULUEMPR> COSEPO

COUNTS US ENGINEERING UNITS FOR TRISIBUN

A. 14 66

ENGINEERING UNITS - VOLTS

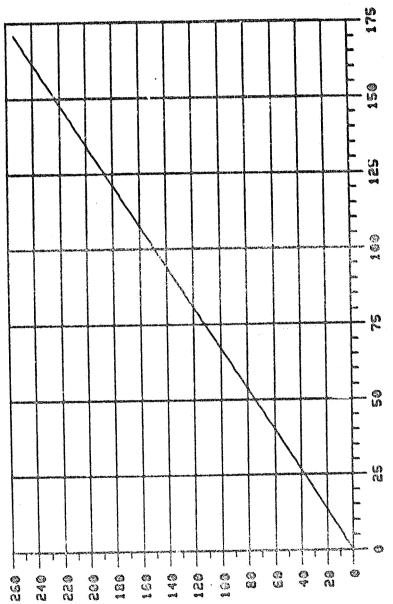
COUNTS US ENCINEERING UNITS FOR TRISIBUP

Carawal Place 13 OF PUOR QUALITY es es (C) (S) **0**000 e U U () () (S) 20 00 00 4 ()) ()) 0

WHICOU CHHIMMEMPM

ENGINEERING UNITS - MARRYS

OF POGR QUALITY

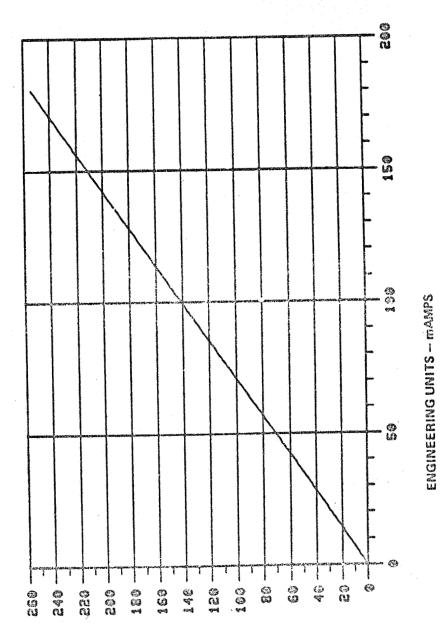


NAZECO CZAWZWEWA

COUNTS US ENGINEERING UNITS FOR TRLMP11

.

منافرات الا



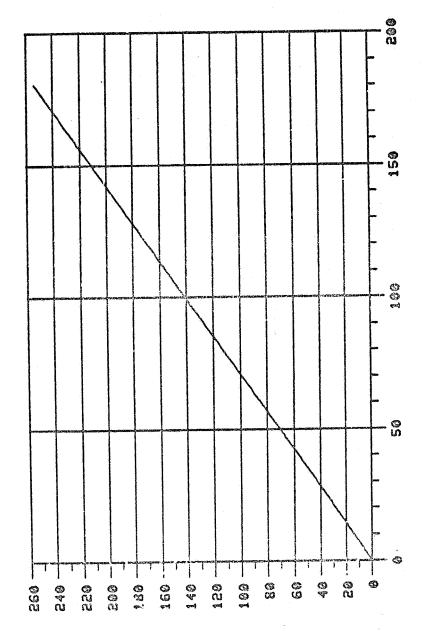
FMTMEMFEX CODEFU

COUNTS US ENGINEERING UNITS FOR THLRPZI

g Tieng

. . .

ORIGINAL PAGE IS OF POOR QUALITY



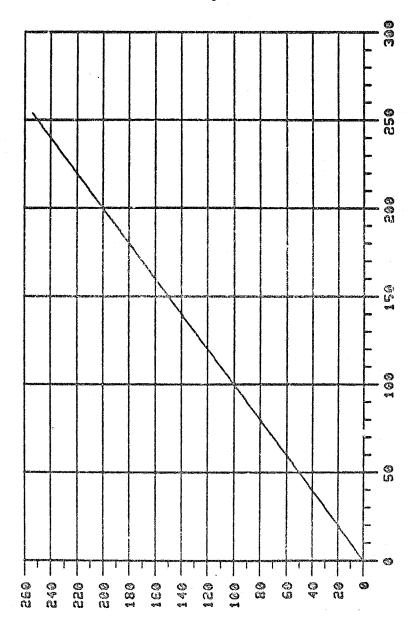
ENGINEERING UNITS - MAMPS

FWHMEMPG> CODEFO

COUNTS US ENLINEERING UNITS FOR THLMP31

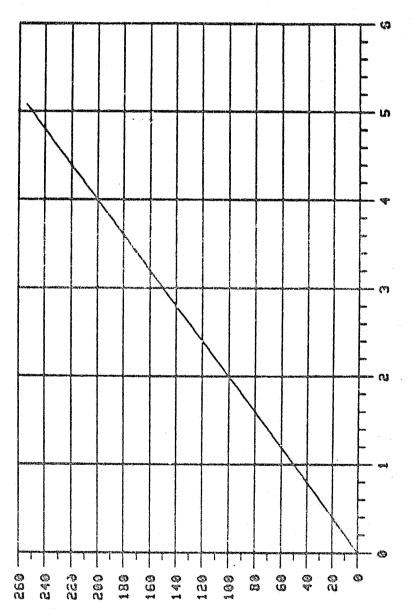
ENGINEERING UNITS - COUNTS

ORIGINAL PAGE 15 OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR THUMPS

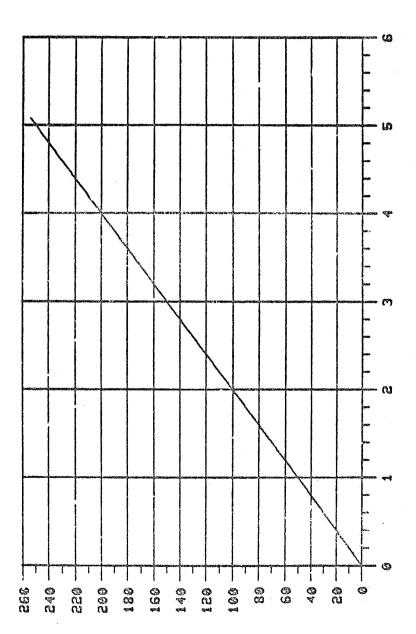
**いまれてい くりっぱりの** 



ENGINEERING UNITS - AMPS

MUSCOO COUBENT

COUNTS US ENGINEERING UNITS FOR TRPSII

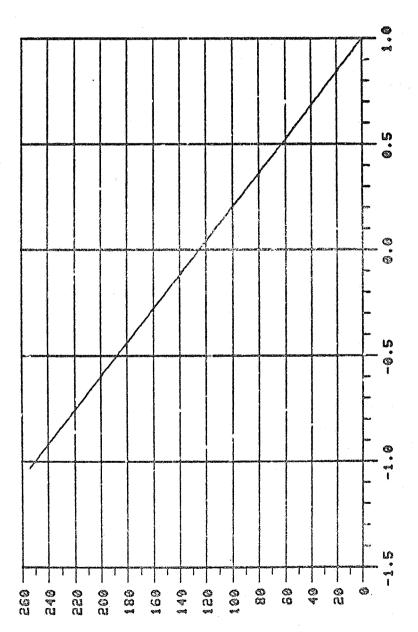


ENGINEERING UNITS - AMPS

トニニロヹルトペン くつつエトの

COUNTS US ENGINEERING UNITS FOR TRPSZI

ORIGINAL PAGE IS OF POOR QUALITY

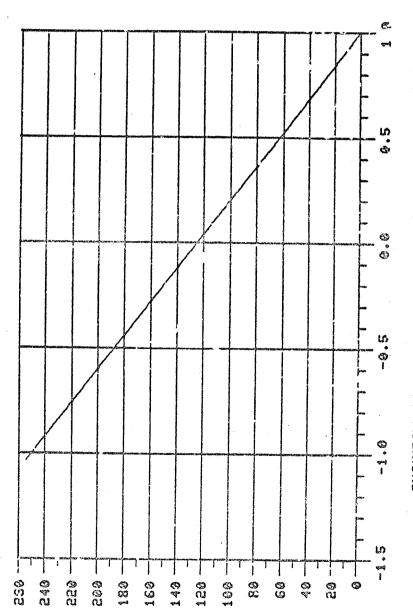


ENGINEERING UNITS - AMPS

MUSULOS COUSHO

COUNTS US ENGINEERING UNITS FOR TRSLC11

OF POOR QUALITY

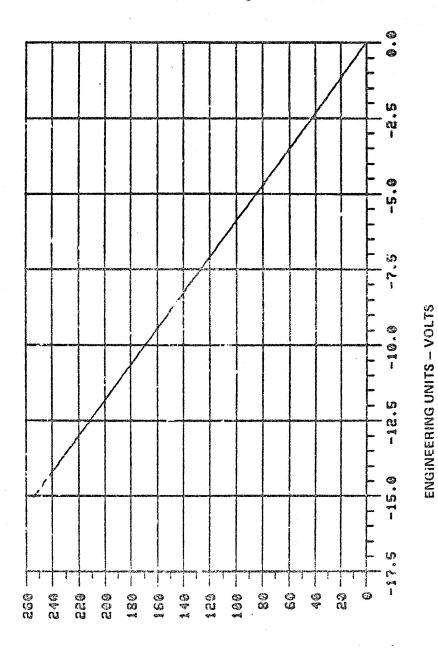


ENGINEERING UNITS - AMPS

トピーピーロン くつつだーの

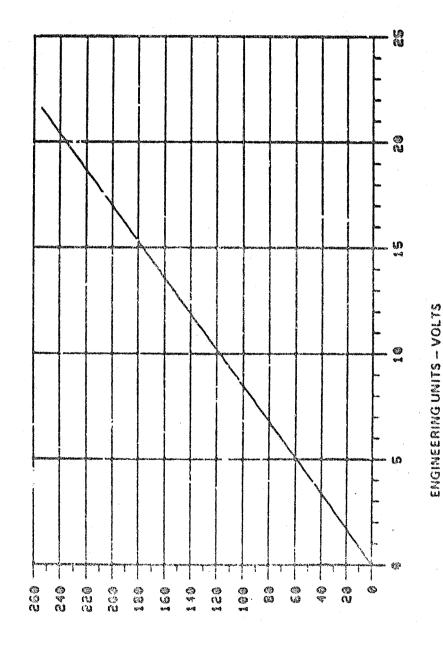
COUNTS US ENGINEERING UNITS FOR THSLCZI

ORIGINAL PAGE IS OF POOR QUALITY



-WJWEWFK> CODZEG

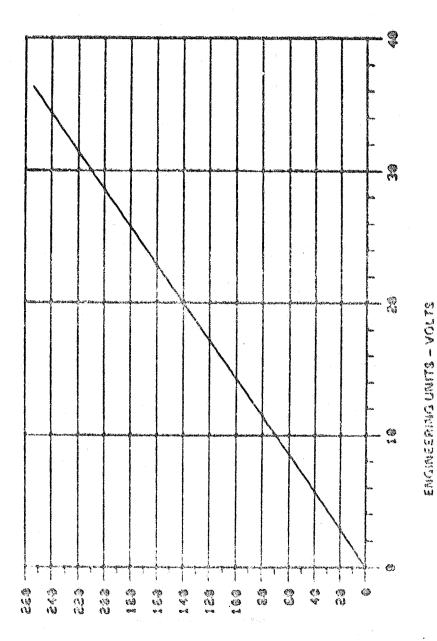
COUNTS US ENGINEERING UNITS FOR TRUKIBUN



こしょうしょく くりしだてら

COUNTS US ENGINEERING UNITS FOR TRUXIBUP

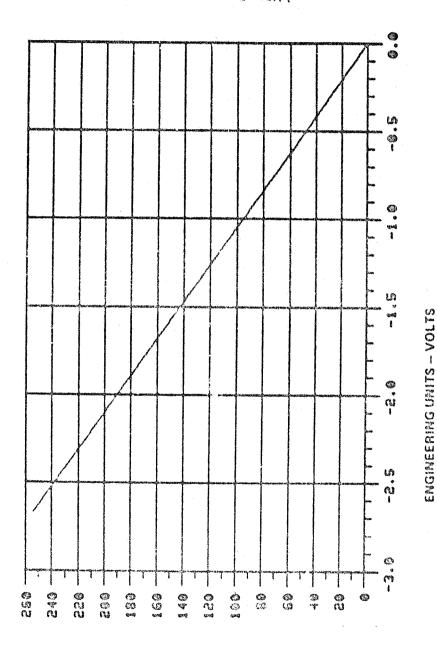
A. 14 .\* "



nascoo esambulana

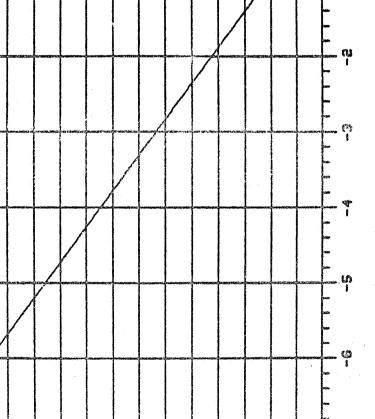
4. 1.1 - \*12

colours of recipies in 12 for the state



COUNTS US ENGINEERING UNITS FOR TRUXBUM

**トルールスルトスト いつコエト**の



ENGINEERING UNITS - VOLTS

1001 0 9 (S) 0000 9 (i) 99 (9 (3 ••• 98

いつコエトの

COUNTS US ENGINEERING UNITS FOR THUXSUN

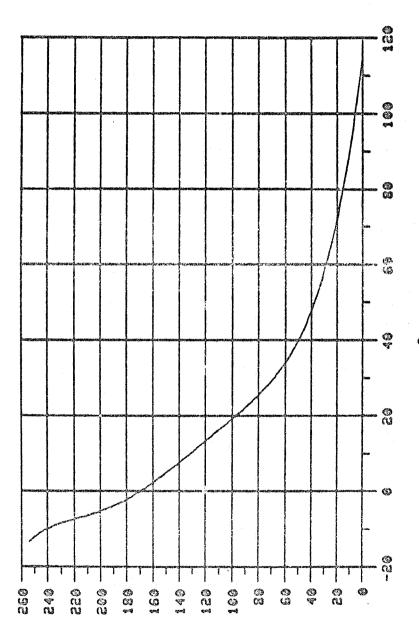
ENGINEERING UNITS - VOLTS

40 ව විධ 000 200 000 24 00 62 00

-M-MEMPES COSEPO

COUNTS US ENGINEERING UNITS FOR TRUXSUP

Δ 14-R1

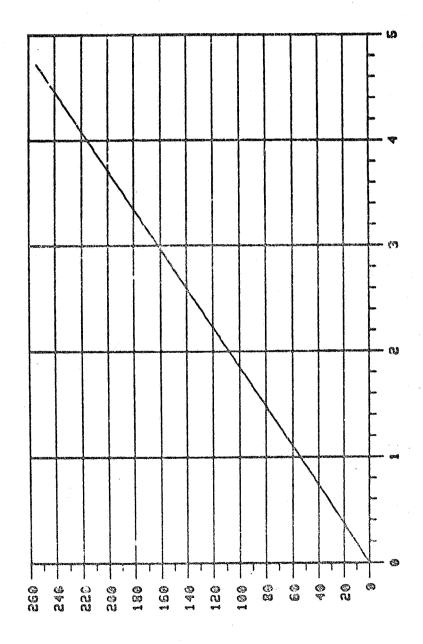


ENGINEERING UNITS - OCENT

シェドロの くどうほうほう

COUNTS US ENGINEERING UNITS FOR TRUXET

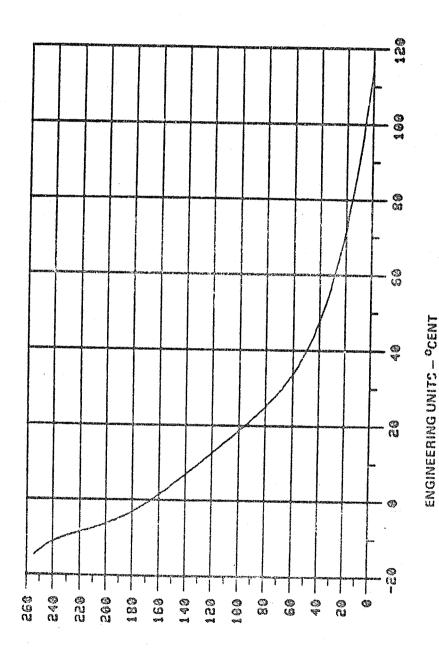
OR'GINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - AMFS

**トリコロミローミン くりつごトの** 

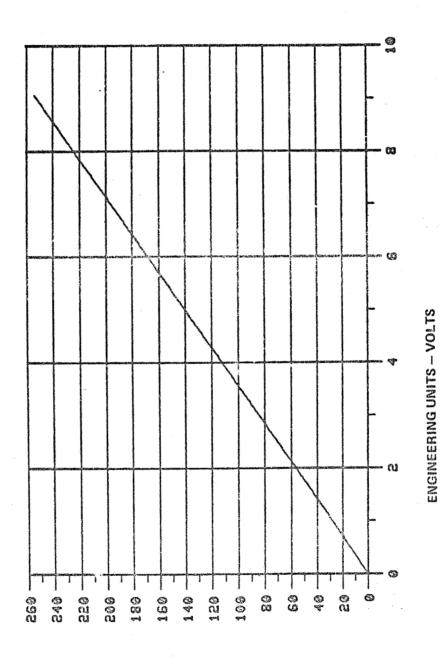
COUNTS US ENGINEERING UNITS FOR TRUXI



COUNTS US ENGINEERING UNITS FOR TRUXPST

トレールエロトな> いつコミトの

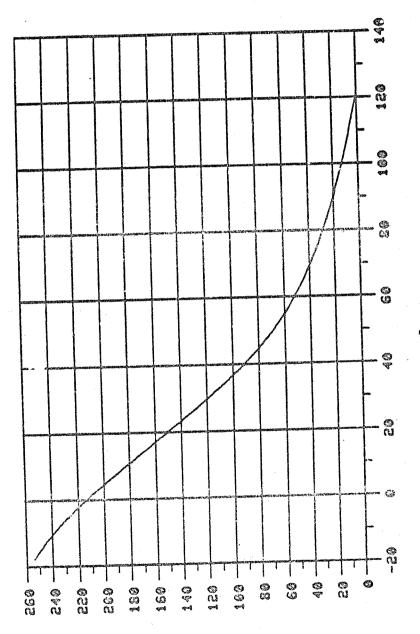
ORIGINAL PAGE IS OF POOR QUALITY



トローロミロトロ> 00コエトの

COUNTS US ENGINEERING UNITS FOR THUUSU

## ORIGINAL PAGE 19 OF POOR QUALITY

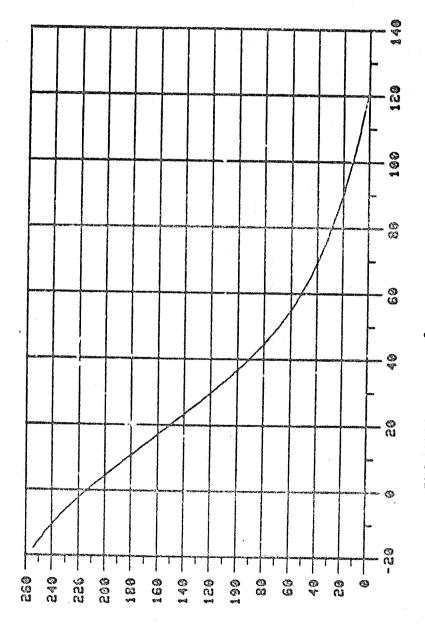


ENGINEERING UNITS - OCENT

PULUEUPES CODEPO

COUNTS US ENGINEERING UNITS FOR TPHRT

## CRIGINAL PAGE IS OF POOR QUALITY

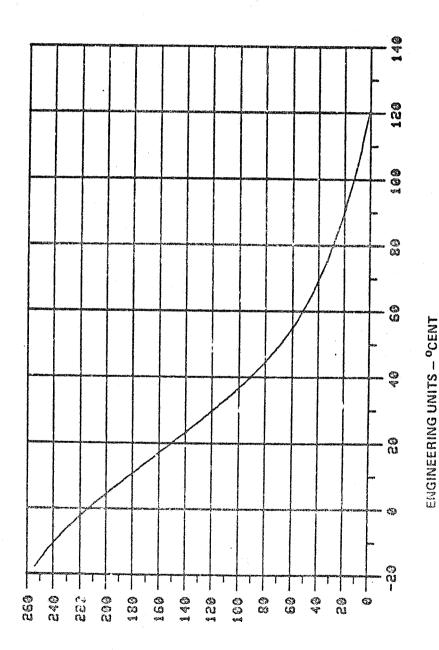


ENGINEERING UNITS – OCENT

HUJUEUPE> OODEFO

COUNTS US ENGINEERING UNITS FOR THM

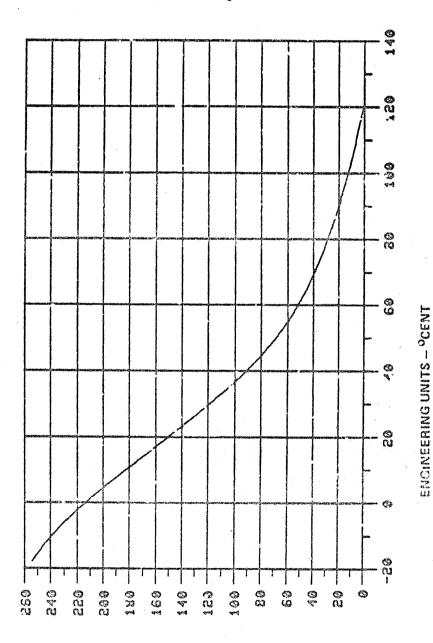
## ORIGINAL PAGE IS OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR TPST

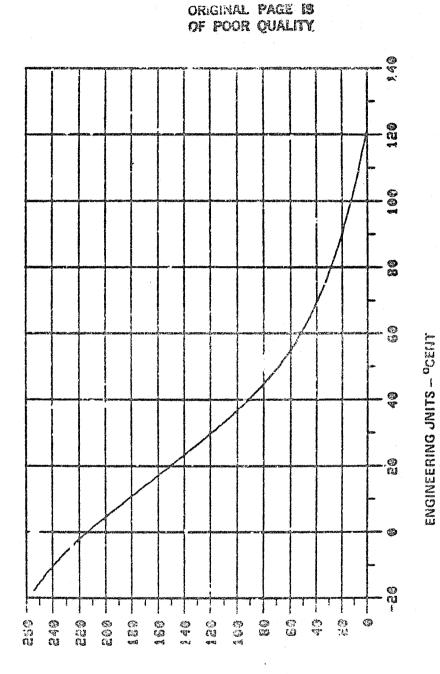
SVS-10265/3A Appendix A June 1982

ORIGINAL PAGE IS OF POOR QUALITY

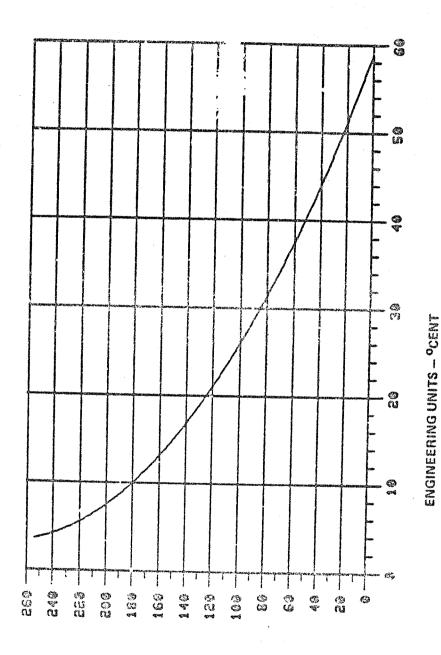


COUNTS US ENGINEERING UNITS FOR TRFINT

COUNTS US ENGINEERING UNITS FOR THOT

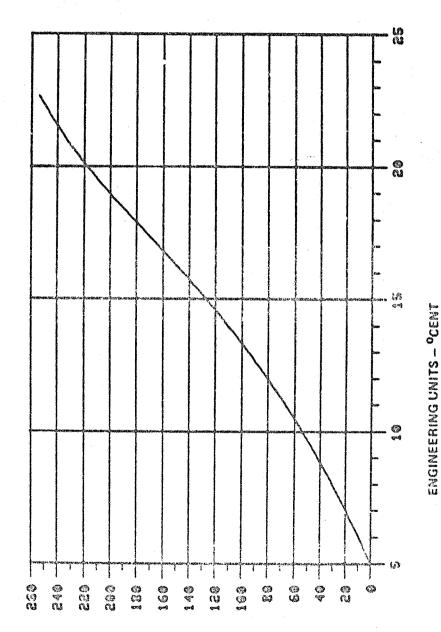


ORIGINAL PAGE IS OF POOR QUALITY



ruduzure> coozre

COLMITS US ENGINEERING UNITS FOR TSANT

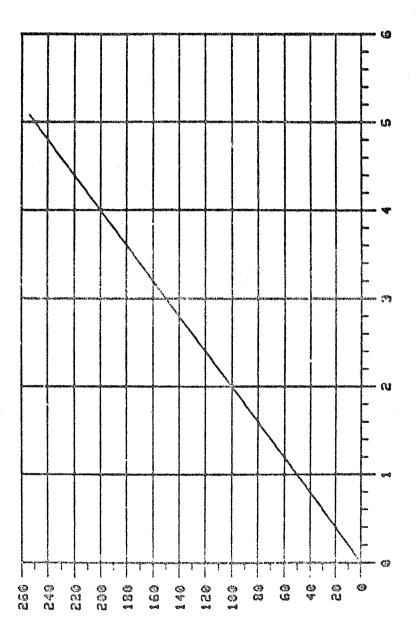


nusuco csausua

COUNTS US ENGINEERING UNITS FOR TSIFFT

0.14 25

ORIGINAL PAGE IS OF POOR QUALITY



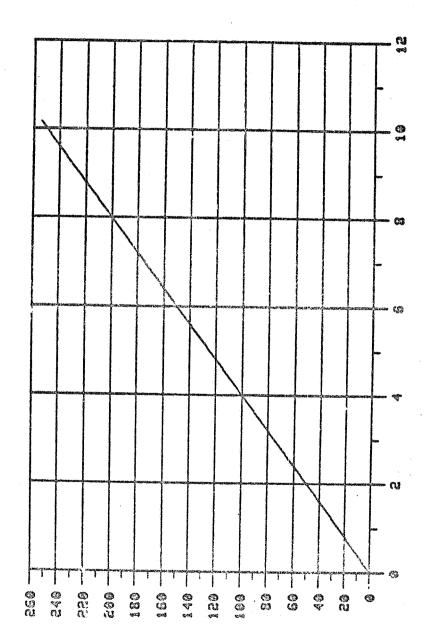
ENGINEERING UNITS - DELTA

いっぱい くりっぱいい

COUNTS US ENGINEERING UNITS FOR TSLIISU

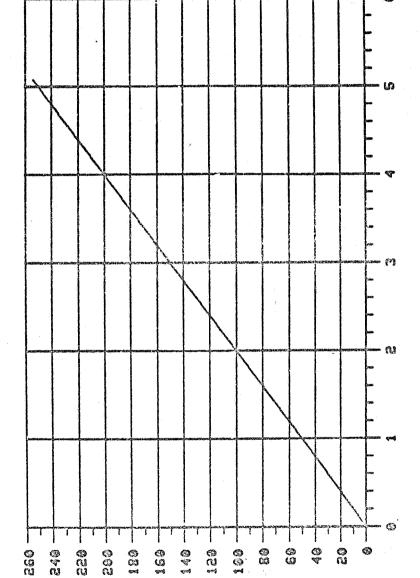
0.14 93

COUNTS US ENGINEERING UNITS FOR TSLISUP



ENGINEERING UNITS - VOLTS

いっぱん くりっと いっしょう

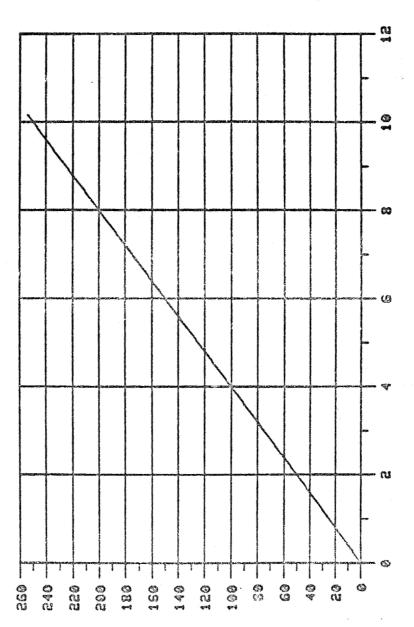


ENGINEERING UNITS - DELTA

PUJUEUPED CODZEG

COUNTS US ENGINEERING UNITS FOR TSL215U

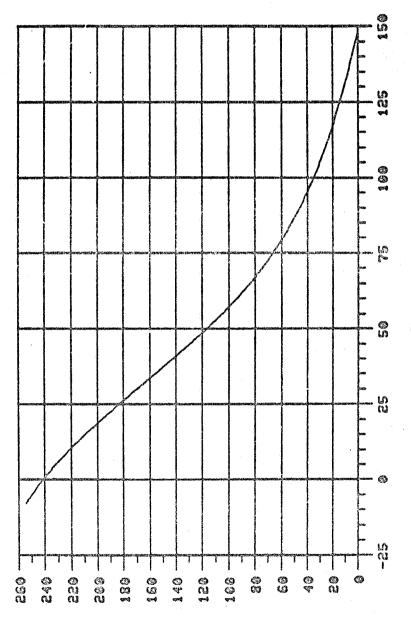
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - VOLTS

PUJUEUPED CODEPO

COUNTS US ENGINEERING UNITS FOR TSL25UP

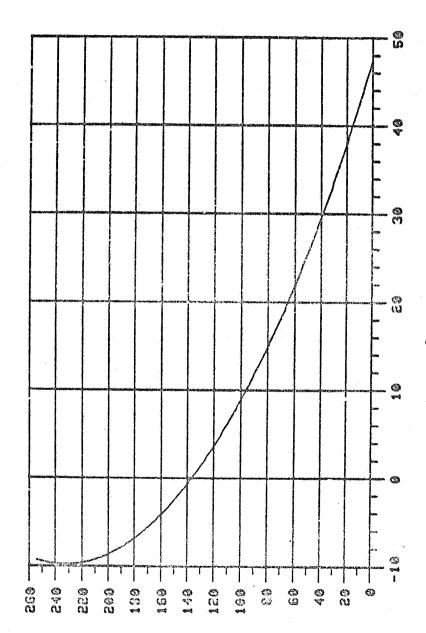


ENGINEERING UNITS - OCENT

PULUEUPE> CODZEG

COUNTS US ENGINEERING UNITS FOR TSLCT

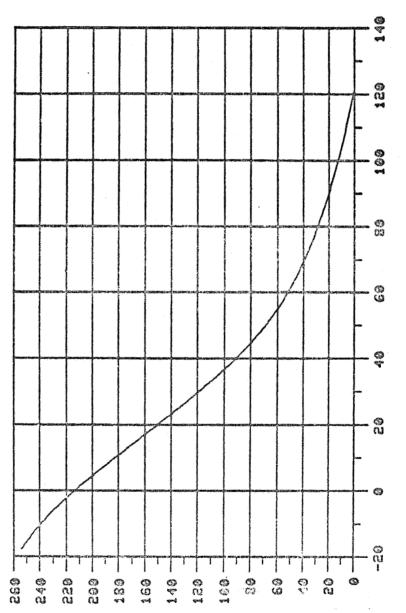
ORIGINAL PAGE IS OF POOR QUALITY



engineering units – "Cent

ruluzure> codzru

COUNTS US ENGINEERING UNITS FOR TSAAET

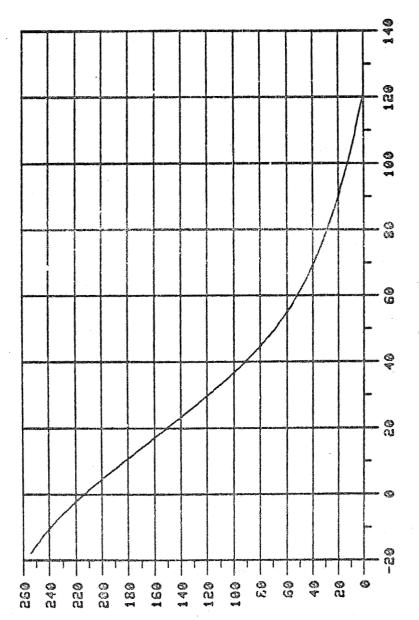


ENGINEERING UNITS - OCENT

トルコピアの くりつだとの

COUNTS US ENGINEERING UNITS FOR TSWAT

ORIGINAL PAGE IS OF POOR QUALITY

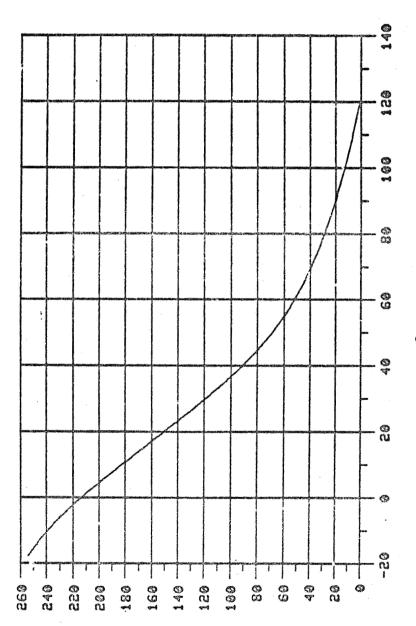


ENGINEERING UNITS – OCENT

HUJUZUHES CODZEG

COUNTS US ENGINEERING UNITS FOR TSHT

ORIGINAL PAGE IS OF POOR QUALITY

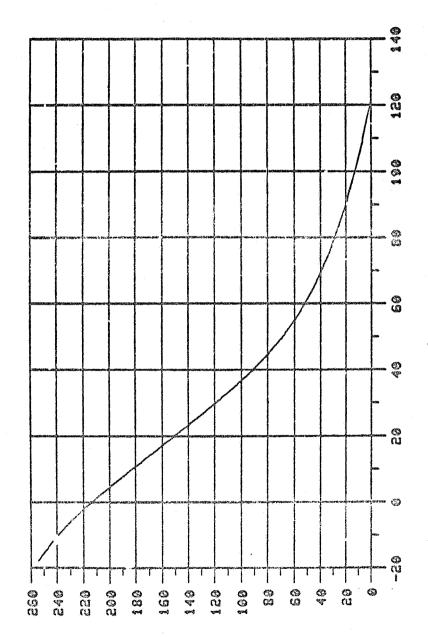


ENGINEERING UNITS - OCENT

PWAUSUFES CODEFO

COUNTS US ENGINEERING UNITS FOR TSST

ORIGINAL PACE IS OF POOR QUALITY



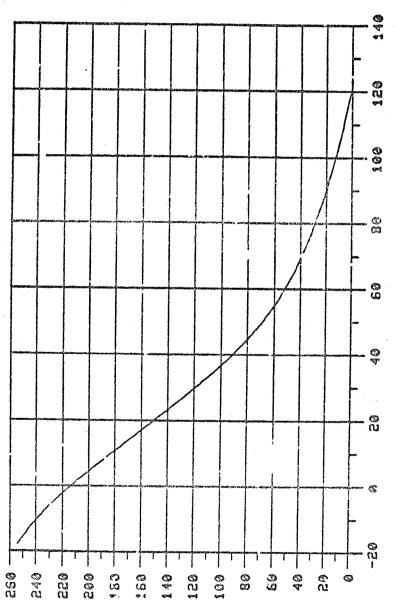
ENGINEERING UNITS – OCENT

かってい くかっと ひつづきし

COUNTS US ENGINEERING UNITS FOR TIBPI

ENGINEERING UNITS - OCENT

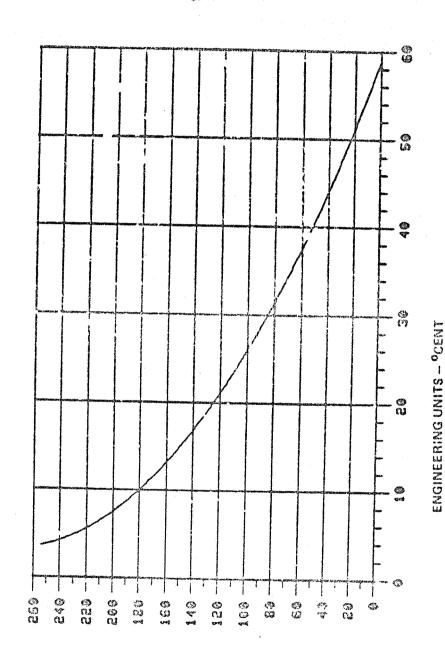
ORIGINAL PAGE IS OF POOR QUALITY



トローロスとしなっ ひらつだとの

COUNTS US ENGINEERING UNITS FOR TTHT





トピーピーにっ くりつどーい

ORIGINAL PAGE IS OF POOR QUALITY

SVS-10266/3A Appendix A June 1982

#### APPENDIX A.15

#### GLOBAL POSITIONING SYSTEM (GPS)

#### TELEMETRY CALIBRATION DATA

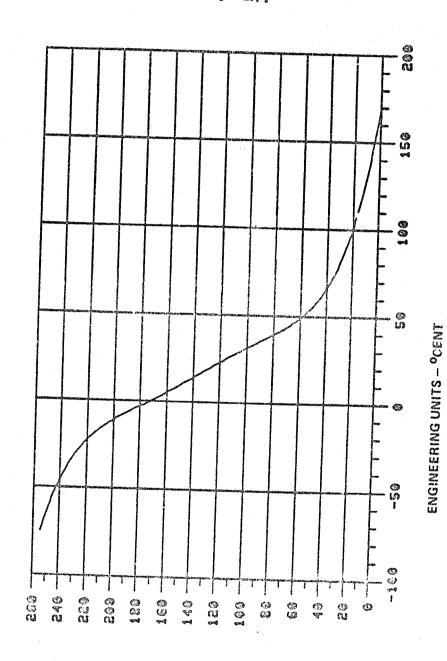
The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) 78. engineering units.

LSD-WFC-263

# ORIGINAL PAGE IS OF POOR QUALITY

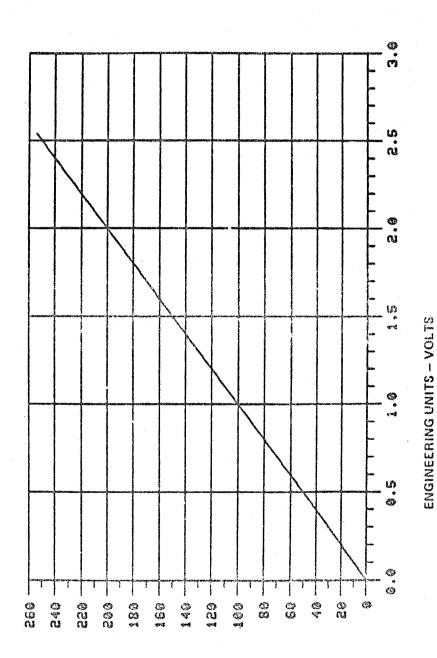
```
the about the short which the short was the short the sh
              GPS CONV. DEF.
   ************
              GPS POINT
                                             DEF.
            TIME OF CURRENT FIRST GRID POINT FOR GPS INTERPOLATION
POINT
                     GALOGMOT
                                             ; R/PA ANALOG MODULE TEMP in deg. centigrade
COEFF
                     GALOGMOT
                                                 .16804E+3,-.45305E+1,.69878E-1,-.55932E-3,.21445E-5,-.31649E-8
POINT
                                             ; R/PA PWR SUPPLY IN CMD MODE in
                     GCURRCMD
                                             , 0,0.01
COEFF
                     GCURRCMD
                                             ; R/PA PWR SUPP INPUT CURRENT in
POINT
                     GCURRIN
                                             , 0,0.01
COEFF
                     GCURRIN
POINT
                     GCURRLDE
                                             ; R/PA PWR SUPPLY IN LOAD MODE in
                                             , 0,0.01
COEFF
                     GCURRL DE
POINT
                                             ; R/PA PWR SUPPLY IN NAV DUAL CH. in
                     GCURRNDL
COEFF
                     GCURRNDL
                                                 0,0.01
POINT
                     GCURRNSL
                                             ; R/PA PWR SUPPLY IN NAV SNGL CH. in
                                             , 0,0.01
COEFF
                     GCURRNSL
                                             ; R/PA PWR SUPPLY IN PROP MODE in
POINT
                     GCURRPRO
                                             , 0,0.01
COEFF
                     GCURRPRO
POINT
                     GCURRSBY
                                             : R/PA PWR SUPPLY IN STBY in
                                             , 0,0.01
COEFF
                     GCURRSBY
                                             ; R/PA PWR SUPP +12V (ANALOG) in volts
POINT
                     GMP WR12Y
COEFF
                     GMPWR12V
                                                 0,0.064
                                             ; R/PA PWR SUPP +5V in volts
POINT
                     GMP WR5 V
COEFF
                     GIPWR5V
                                             , 0,0.032
POINT
                                             ; EXTERNAL OSC CASE TEMP in deg. centigrade
, .16804E+3,-.45905E+1,.69878E-1,-.55932E,.21445E-5,-.31649E-8
                      GOSCCAST
COEFF
                      GOSCCAST
POINT
                     GOSCOVNT
                                             ; OSCILLATOR OVEN TEMP in deg. centigrade
COEFF
                     GOSCOVNT
                                                 .13189E+3,-.14177E+1,.13099E-1,-.10943E-3..50119E-6,-.90333E-9
                                             ; OSCILLATOR OVEN VOLTAGE in
POINT
                     GOSCOVNY
COEFF
                     GOSCOVNY
                                                0,0.068
POINT
                     GOSCREGY
                                             ; EXTERNAL OSC REG VOLTAGE in
COEFF
                     GOSCREGY
                                                 0,0.17185E+00
                                            EXTERNAL PREAMP TEMP in deg. centigrade
.16804E+3,-.45905E+1,.69878E-1,-.55932E-3,.21445E-5,-.31649E-8
POINT
                     GPREAMPT
COEFF
                    GPREAMPT
POINT
                     GPWRSUPT
                                             ; R/PA PWR SUPP TEMP in deg. centigrade
COEFF
                    GPWRSUPT
                                                 .16804E+3,-.45905E+1,.69878E-1,-.55932E-3,.21445E-5,-.31649E-8
POINT
                     GSTBY12Y
                                                R/PA PWR SUPP +12V (STANDBY) in volts
                                            , 0,0.064
COEFF
                    GSTBY12V
POINT
                    GSTBY5V
                                            ; R/PA PWR SUPP +5V (STANDBY) in volts
COEFF
                    GSTBY5V
                                            , 0,0.032
```

COUNTS US ENGINEERING UNITS FOR GALOGHDT



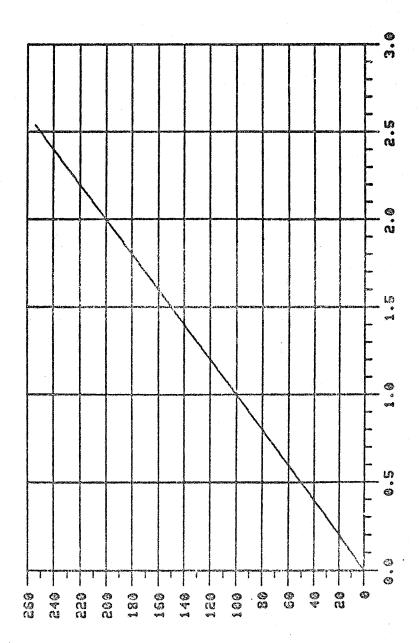
-WHEUFES CODEFO

COUNTS US ENGINEERING UNITS FOR GCURROND



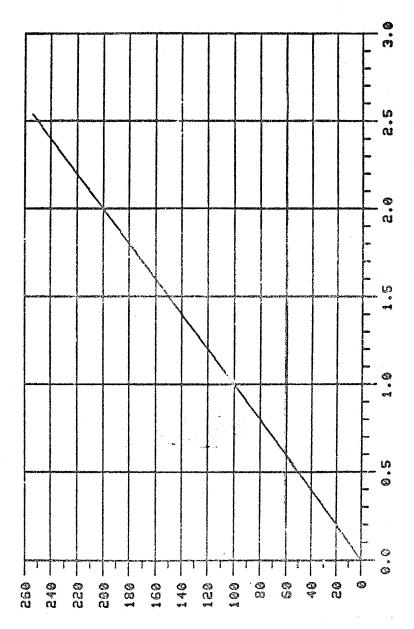
PUJUEWHED CODEHO

COUNTS US ENGINEERING UNITS FOR GCURRIN



ENGINEERING UNITS - AMPS

## ORIGINAL PAGE IS OF POOR QUALITY

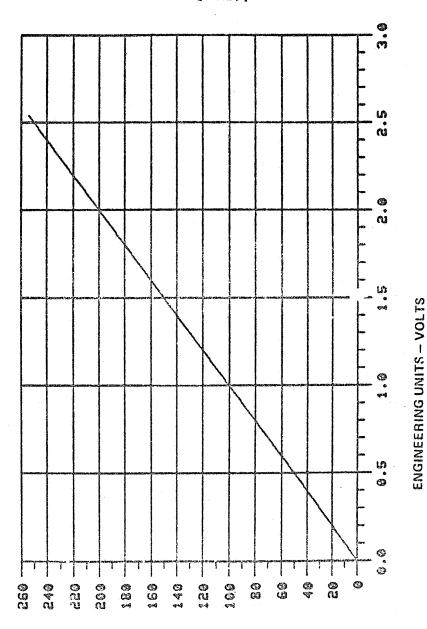


ENGINEERING UNITS - VOLTS

トにしいとのく くりつだけい

COUNTS US ENGINEERING UNITS FOR GCURRLDE

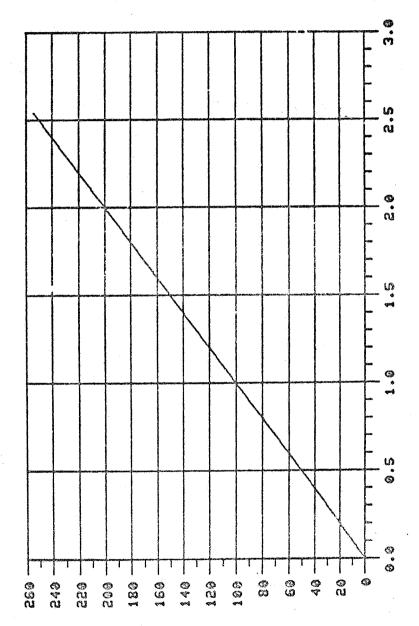
ORIGINAL PAGE IS OF POOR QUALITY



PULLUEUPED CODEFO

COUNTS US ENGINEERING UNITS FOR GCURRNDL

A 45 -

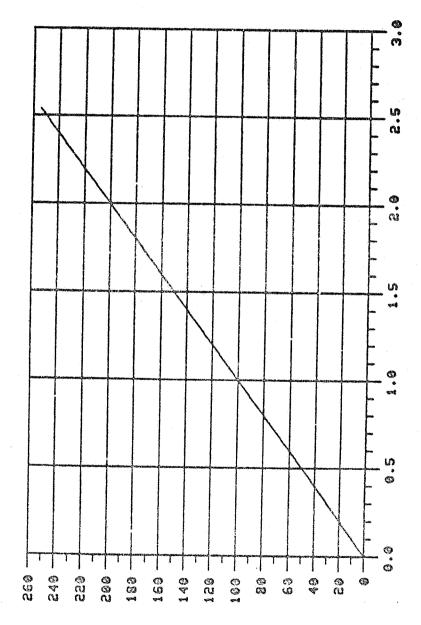


ENGINEERING UNITS - VOLTS

COUNTS US ENGINEERING UNITS FOR GCURRNSL

トミニュニュース> 00コストル

ORIGINAL PAGE IS OF POOR QUALITY

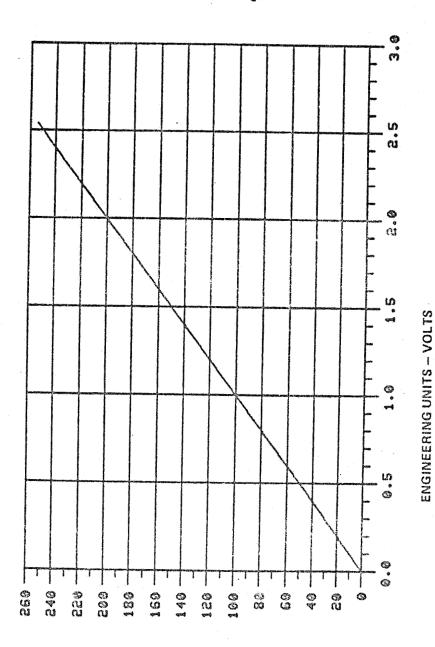


ENGINEERING UNITS - VOLTS

-MUMEM-G> OOZE-G

COUNTS US ENGINEERING UNITS FOR GCURRPRO

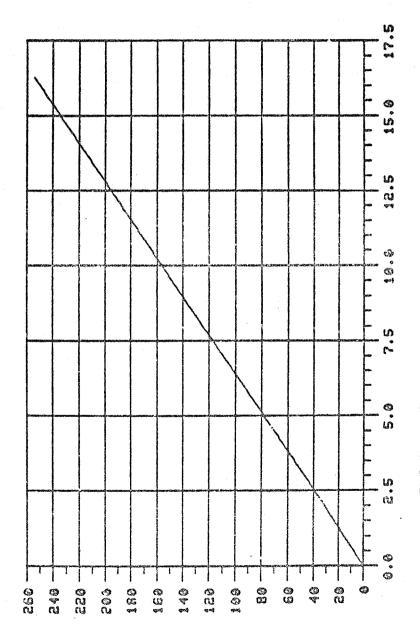
ORIGINAL PAGE IS OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR GCURRSBY

HUJUEURC> CODZEG

ORIGINAL PAGE IS OF POOR QUALITY

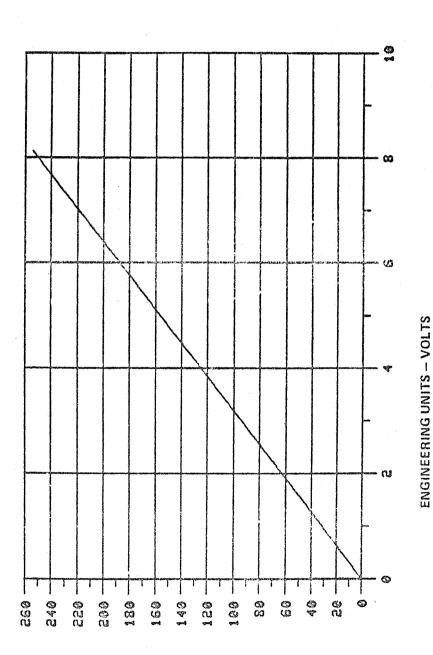


ENGINEERING UNITS - VOLTS

MUSCOO CASMENS

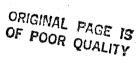
COUNTS US ENGINEERING UNITS FOR GAPURIZU

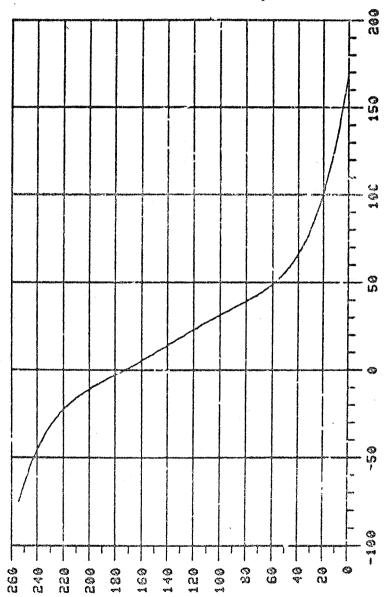
ORIGINAL PAGE IS OF POOR QUALITY



COUNTS US ENGINEERING UNITS FOR GRPURSU

トピーロー くりしばしょう



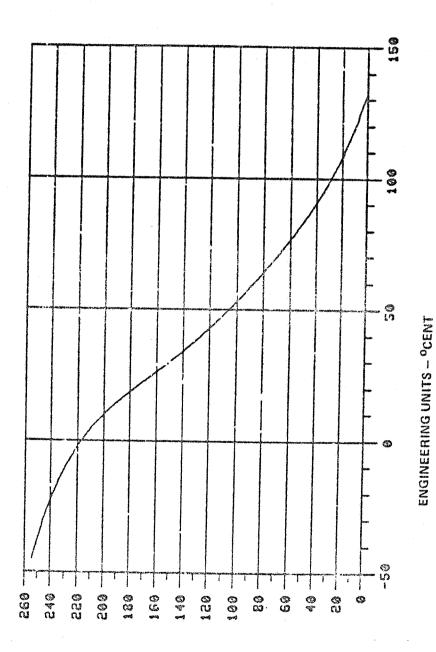


ENGINEERING UNITS - OCENT

トローロスト くりつだとい

COUNTS US ENGINEERING UNITS FOR GOSCCAST

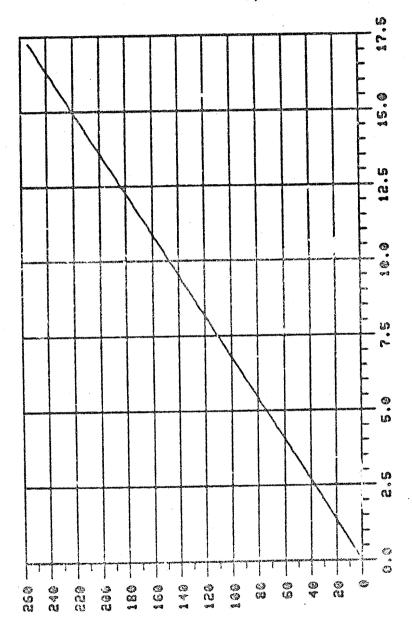
ORIGINAL PAGE IS OF POOR QUALITY



CHICOD KOHUEMPMA

COUNTS US ENGINEERING UNITS FOR GOSCOUNT

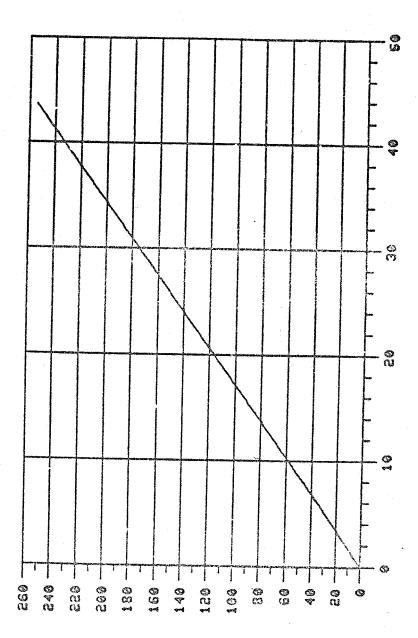
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - VOLTS

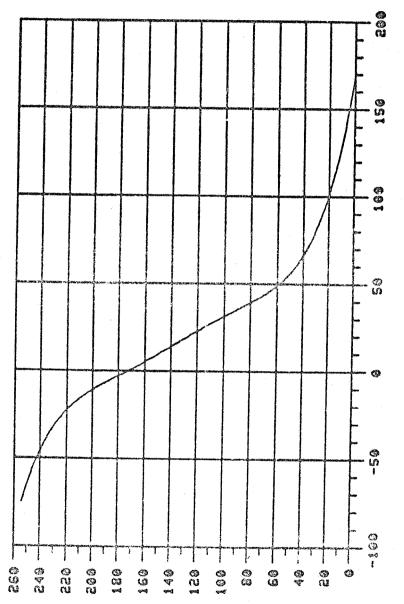
PULUEWPED CODEFO





ENGINEERING UNITS - VOLTS

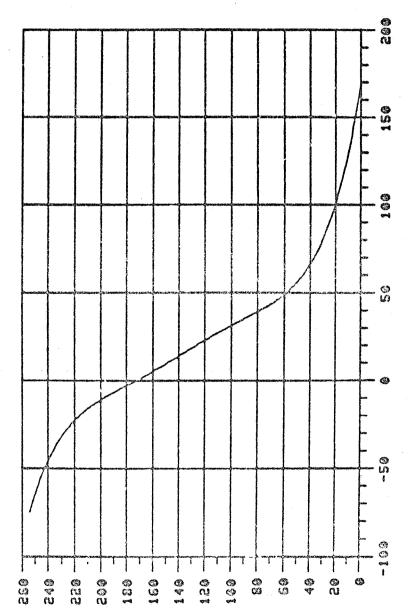
HUJUEUHES CODZHO



ENGINEERING UNITS – OCENT

HUJUEUPC> CODZEG

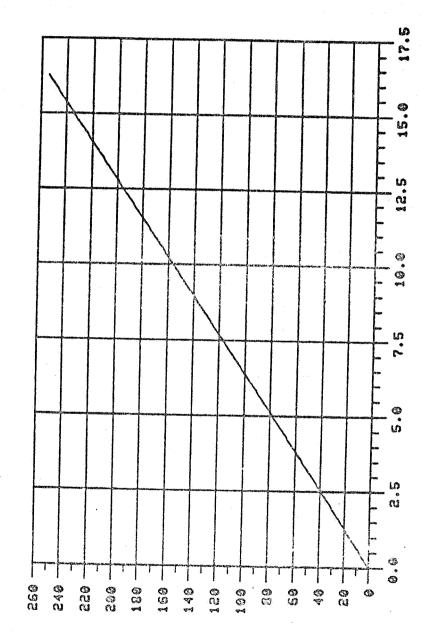
COUNTS US ENGINEERING UNITS FOR GPREAMPT



ENGINEERING UNITS – OCENT

HUJUEUPED CODEFO

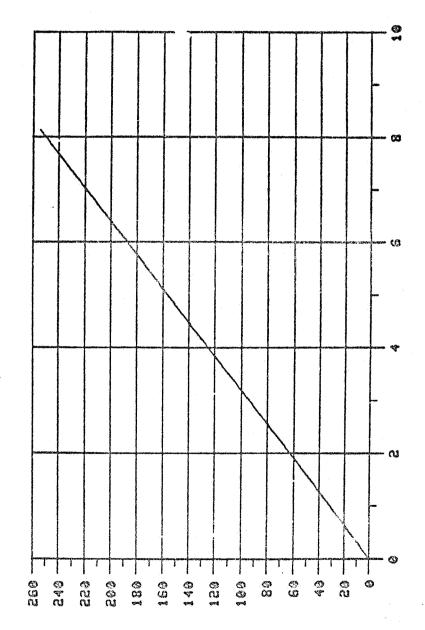
COUNTS US ENGINEERING UNITS FOR GPURSUPT



ENGINEERING UNITS - VOLTS

COUNTS US ENGINEERING UNITS FOR GSTBY120

しょいにのい くりょうほうしゅ



ENGINEERING UNITS - VOLTS

MAZEOO KENAMEMA

COUNTS US ENGINEERING UNITS FOR GSTBYSU

CRIGINAL PAGE IS OF POOR QUALITY

SVS-10266/3A Appendix A June 1982

#### APPENDIX A.16

### DIRECT ACCESS S-BAND (DASB) TELEMETRY CALIBRATION DATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

ORIGINAL PACE IS OF POOR QUALITY

, -.1615E-1,-.5149E-2,.1525E-2,-.1991E-4,.1127E-6,-.2145E-9

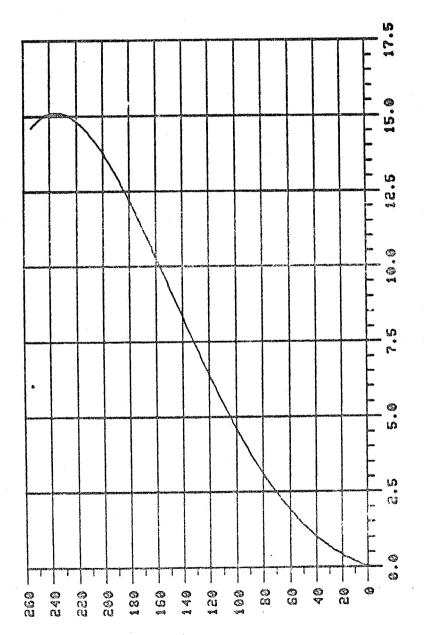
DASB CONV. DEF.

SBREFPWR

COEFF

```
SCCU POINT
                   DEF.
POINT
         SAFWOPWR
                   ; XMTR A FORWARD RF POWER IN
COEFF
         SAFWDPWR
                     .1575E-1,.1561E-1,.1548E-3,.2469E-5,-.673E-8
         SAPAT
POINT
                     XMTR A POWER AMP TEMP in deg. centigrade
COEFF
         SAPAT
                     .1006E+3,-.2302E+1,.3280E-1,-.2886E-3,.1289E-5,-.2245E-8
POI NT
         SAPWRSUP
                   : XMTR A POWER SUPPLY MONITOR in
COEFF
         SAPWRSUP
                   . 0,.12108108
POINT
         SAREFPWR
                   ; XMTR A REFLECTED RF POWER in
COEFF
         SAREFPWR
                   , .6382E+00,-.6080E-1,.1802E-2,-.1637E-4,.7039E-7,-.9832E-10
POINT
         SBFWDPWR
                   ; XMTR B FORWARD RF POWER in
         SBFWDPWR
COEFF
                     .7538E-2,.9084E-2,.4293E-3,-.2384E-5,.9155E-8,-.13079E-10
                    ; XMTR B POWER AMP TEMP in deg. centigrade
POINT
         SBPAT
                     .1006E+3,-.2302E+1,.3230E-1,-.2886E-3,.1289E-5,-.2245E-8
COEFF
         SBPAT
                   ; XMTR B POWER SUPPLY MONITOR in
POINT
         SBPWRSUP
COEFF
         SBPWRSUP
                     0,.12108108
POINT
         SBREFPWR
                   ; XMTR B REFLECTED RF POWER in
```

ORIGINAL PAGE IS OF POOR QUALITY

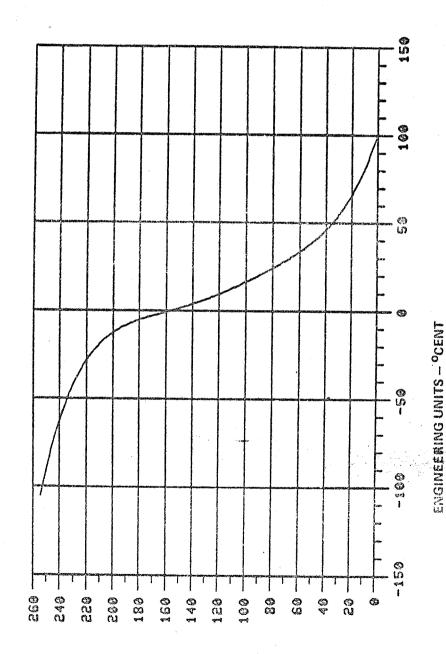


ENGINEERING UNITS - WATTS

PHIHEMPED COURPU

COUNTS US ENGINEERING UNITS FOR SAFUDPUR

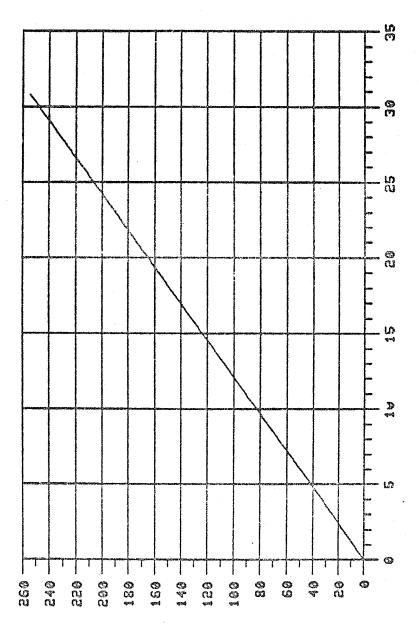
ORIGINAL PAGE IS OF POOR QUALITY



トயーயヹயトピン いつコヹトの

COUNTS US ENGINEERING UNITS FOR SAPAT

ORIGINAL PAGE IS OF POOR QUALITY

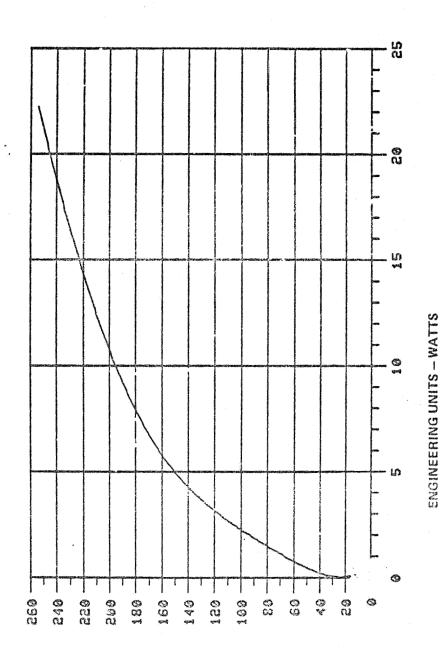


ENGINEERING UNITS - VOLTS

FULUEUFED CODEFO

COUNTS US ENGINEERING UNITS FOR SAPURSUP

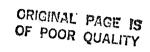
## ORIGINAL PAGE 13 OF POOR QUALITY

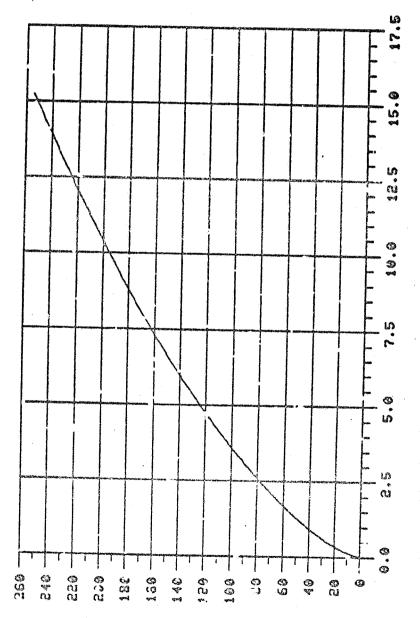


COUNTS US ENGINEERING UNITS FOR SAREFPUR

FULUEUFES CODZEG

SVS-10266/3A Appendix A June 1982



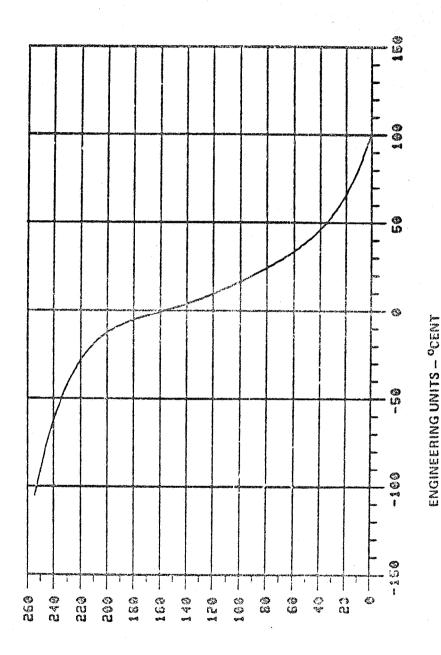


ENGINEERING UNITS - WATER

FULUEU: C> COZEFO

COUNTS US ENGINEERING UNITS FOR SBFUBPUR

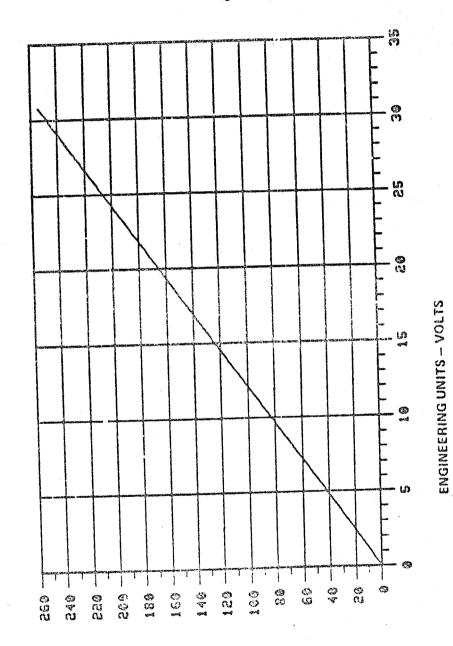
ORIGINAL PAGE IS OF POOR QUALITY



FWJWEWFG> CODEFO

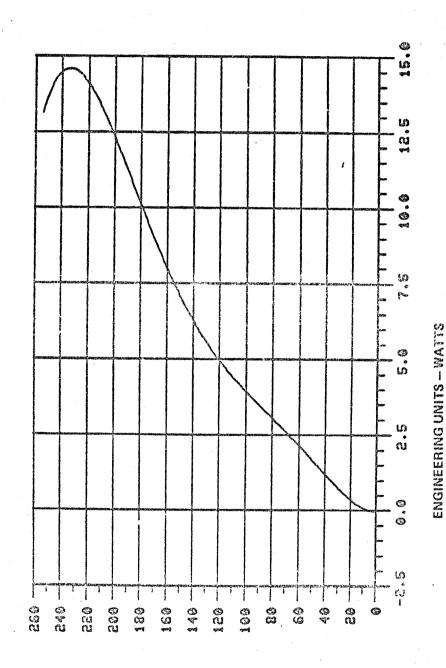
COUNTS US ENGINEERING UNITS FOR SBPAT

ORIGINAL PAGE IS OF POOR QUALITY



**トロコロエロトペン いりコエト**の

COUNTS US ENGINEERING UNITS FOR SBREFFUR



トローロミロトな> ひつごとら

# ORIGINAL PAGE IS OF POOR QUALITY

SVS-10266/3A Appendix A June 1982

### APPENDIX A.17

### MULTI-SPECTRAL SCANNER (MSS) TELEMETRY CALIBRATION DATA

This appendix includes telemetry calibration curves for the passive and active analog telemetry functions for which calibration is possible. Curves are not provided for bipolar voltage functions and for the multiplexer average density of data transitions.

LSD-WPC-263

```
*******
      MSS CONV. DEF.
 ******
      MSS POINT
                    DEF.
                    ; CAL LAMP CURRENT in
POINT
         MICALLIP
                      0,0.5
COEFF
         MICALLMP
         MI OPSW10
POINT
COEFF
         MI OPSW10
                      0,1.239
         MIOPSW20
POINT
         MI OPSW20
COEFF
                       0.1.000
POINT
         MIOPSWLT
                      OPTICAL SWITCH LAMP 1 CURRENT MON in
COEFF
         MI OP SWL7
                      0,1.239
         MI OP SWL2
POINT
                      OPTICAL SWITCH LAMP 2 CURRENT MON in
COEFF
         MIOPSWL2
                      0,1.000
COEFF
         MISSROM
                      NIEUTMP,.1121E+3,-.1663E+1,.1348E-1,-.6271E-4,.1396E-6,-.1278E-9
COEFF
         MISSROM
                      N1PBV1.0..02
COEFF
                      N1PBV2,0,.02
         MISSROM
                      NTPBY3.0,.92
COEFF
         MISSROM
                      N1PBV4,0,.02
COEFF
         MI SSROM
COEFF
                      N1PEV5,0,.02
         MISSROM
                      NIPBY6,0,.02
COEFF
         MI SSROM
                      N1PBV7,0,.02
COEFF
         MISSROM
COEFF
         MISSROM
                      N1PBV8,0,.02
COEFF
         MISSROM
                      N1PSN12,-.133E+2,.2024E-1,-.1251E-4,.2232E-6,-.15305E-8,.328E-1"
                    NIPSN6,-.8246E+1,.1821E-1,.6336E-4,-.8009E-6,.4034E-8,-.6875E-1,
NIPSP12,0,0.08
COEFF
         MISSROM
COEFF
         MI SSROM
COEFF
         MISSROM
                      N1PSP15 ,0,0.086
                               ,0,0.04
COEFF
         MI SSROM
                      N1PSP5
                               ,0,3.0
COEFF
         MISSRO!
                      NIRECI
COEFF
         MISSROM
                      N1TUPSI ,0,0.107
                      NITUTNP,.1121E+3,-.1663E+1,.1349E-1,-.6271E-4,.1396E-6,-.1278E-9
COEFF
         MISSROM
                      N2EUTMP,.1121E+3,-.1663E+1,.1348E-1,-.6271E-4,.1396E-6,-.1278E-9
COEFF
         MISSROM
COEFF
         MISSROM
                     , N2PBV1,0,.02
COEFF
         MISSROM
                     , N2PBV2,0,.02
COEFF
         MISSROM
                      N2PBV3,0,.02
COEFF
         MISSROM
                     , N2PBV4,0,.02
COEFF
         MISSROM
                     , N2PBV5,0,.02
COEFF
                     , N2PBV6,0,.02
         MISSROM
COEFF
         MISSROM
                     , N2PBV7,0,.02
COEFF
         MISSROM
                      N2PBV8,0,.02
COEFF
         MI SSROM
                      N2PSN12 -.133E+2,.2023E-1,-.125E-4,.2232E-6,-.153E-8,.3284E-11
                      N2PSN6, ..8246E+1,.1822E-1,.6335E-4,-.801E-6,.403E-8,-.6875E-11
N2PSP12,0,0.08
N2PSP15,0,0.086
         MISSROM
COEFF
         MISSROM
COEFF
COEFF
         MISSROM
                      N2PSP5 ,0,0.04
N2RECI ,0,3.0
         MI SSROM
COEFF
COEFF
         MISSROM
COEFF
         MI SSROM
                      N2TUPSI,0.0,0.107
         MI SSROM
                      N2TUTNP,.1121E+3,-.1663E+1,.1349E-1,-.6271E-4,.1396E-6,-.1278E-9
COEFF
                     ELECTRONICS COVER TEMP (RADIOMETER) in deg. centigrade .11853E+3,-.17516E+1,.15681E-1,-.86077E-4,.24412E-6,-.27918E-9
POINT
         MTELCYR
CCEFF
         MTELCYR
POINT
         MTF I BOP 1
                     ; FIBER OPTICS TEMP 1 in deg. centigrade
COEFF
         MTF I BOP 1
                     , .11353E+3,-.17516E+1,.15681E-1,-.86077E-4,.24412E-6,-.27918E-9
```

```
: FIBER OPTICS TEMP 2 in deg. centigrade
POINT
         MTF1B0P2
                      .11853E+3,-.17516E+1,.15681E-1,-.86077E-4,.24412E-6,-.27918E-9
         MTFIBOP2
COEFF
                     MUX TEMP in deg. centigrade
POINT
         MTMUX
                      .11853E+3,-.17516E+1,.15681E-1,-.86077E-4,.24412E-6,-.27918E-9
         MTMUX
COEFF
POINT
         MTPPS1
                      PRIMARY POWER SUPPLY I TEMP in deg. centigrade
                      .11853E+3,-.17516E+1,.15681E-1,-.86077E-4,.24412E-6,-.27918E-9
         MTPPS1
COEFF
                      PRIMARY POWER SUPPLY 2 TEMP in deg. centigrade
         MTPPS2
POINT
                       .11853E+3,-.17516E+1,.15681E-1,-.86077E-4,.24412E-6,-.27918E-9
         MTPPS2
COEFF
         MTRADPS
                      PWR SUPPLY TEMP (RADIOMETER) in deg. centigrade
POINT
                      .11853E+3,-.17516E+1,.15681E-1,-.86077E-4,.24412E-6,-.27918E-9
         MTRADPS
COEFF
                      SCAN MIRROR COIL TEMP in deg. centigrade
POINT
         MTSCMRCL
                      .11853E+3,-.17516E+1,.15681E-1,-.86077E-4,.24412E-6,-.27918E-9
         MTSCMRCL
COEFF
                      SCAN MIRROR ELECTRONICS TEMP in deg. centigrade
POINT
         MTSCMREL
                      .11853E+3,-.17516E+1,.15681E-1,-.86077E-4,.24412E-6,-.27918E-9
         MTSCMREL
COEFF
                      SCAN MIRRÓR HOUSING TEMP in deg. centigrade
POINT
         MTSCMRHG
                      .11853E+3,-.17516E+1,.15681E-1,-.86077E-4,.24412E-6,-.27918E-9
COEFF
         MTSCMRRG
                      SCAN MIRROR REGULATOR TEMP in deg. centigrade
POINT
         MTSCMRRG
                      .11853E+3,-.17516E+1,.15681E-1,-.86077E-4,.24412E-6,-.27918E-9
         MTSCMRRG
COEFF
POINT
         MVB1HVAO
         MV B1HVAO
                      0,.0096
COEFF
POINT
         MVB1HVB0
                                                    ORIGINAL PAGE IS
COEFF
         MV B1HVBO
                      0..0096
                                                   OF POOR QUALITY
         MVB2HVA0
POINT
                      0,.0096
         MVB2HVAO
COEFF
POINT
         MYB2HVB0
                      0,.0096
         MV B2HVBO
COEFF
POINT
         MVB3HVAC
         MVB3HVA0
                      0,.0096
COEFF
         MVB3HVB0
POINT
                      0,.0096
COEFF
         MV B3 HV BO
                      BAND 1 +/- 15V REGULATOR in volts
         MVBD1B15
POINT
         MVBD1B15
COEFF
                      0,.02
                      HV MONITOR BAND TA in
POINT
         MVBDTHVA
                      0,.0096
          MVBDTHVA
COEFF
          MVBDTHVB
                      HV MONITOR BAND 1B in
POINT
          MVB01HVB
                      0,.0096
COEFF
POINT
          MVBD2B15
                      BAND 2 +/- 15V REGULATOR in volts
COEFF
          MVBD2B15
                      0,.02
          MVBD2HVA
                      HV MONITOR BAND 2A in
POINT
COEFF
          MVBD2HVA
                      0,.0096
                      HV MONITOR BAND 2B in
POINT
          MVBD2HVB
COEFF
          MVBD2HVB
                      0..0096
                      BAND 3 +/- 15V REGULATOR in volts
POINT
          MVBD3B15
COEFF
          MVBD3B15
                      0,.02
                      HV MONITOR BAND 3A in
POINT
          MVBD3HVA
COEFF
          MV BD3HVA
                      0,.0096
                      HV MONITOR BAND 3B in
          MVBD3HVB
POINT
COEFF
          MV B D 3 H V B
                      0,.0096
                      BAND 4 +/- 15V REGULATOR in volts
POINT
          MVBD4B15
COEFF
          MVBD4B15
                      0,.02
POINT
          MVMUXAD
                     ; MUX A/D REFERENCE in
                      0..02
COEFF
          MVMUXAD
          MVMUXP05
                     ; MUX +5V LOGIC MONITOR in
POINT
          MVMUXP05
COEFF
                     , 0, .04
                     ; +12V/-6V REGULATOR in volts
          MVP12N06
POINT
COEFF
          MVP12N06
                     , 0, .02
```

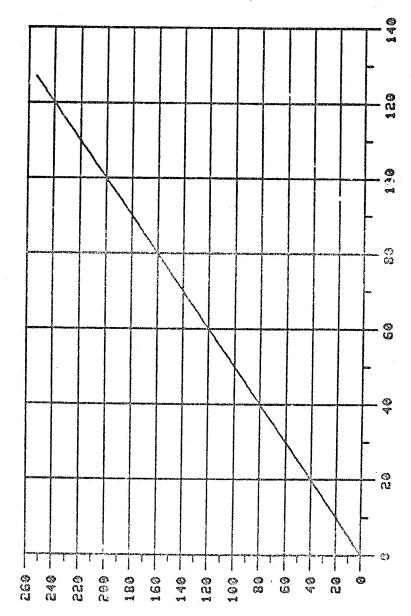
A 17 7

WWP-0064L

```
MVPS1N24
POINT
                    ; -24.5V PRIMARY POWER SUPPLY 1 in
COEFF
         MVPS1N24
                      0,-.192
POINT
         MVPSTNO
COEFF
         MYPSINO
                      0,-.192
POINT
         MYP S21124
                      -24.54 PRIMARY POWER SUPPLY 2 in
COEFF
         MVPS2N24
                      0.-.192
POINT
         MVP S2NO
COEFF
         MVPS2NO
                      0, -.192
POINT
         MVRADB19
                      RADIOMETER +/- 19V in volts
COEFF
         MVRADB19
                      0,.02
POINT
         MVRADP05
                      +5V RADIONETER POWER SUPPLY in volts
COEFF
         MV RADPO5
                      0,.02
POINT
         MVRADP19
                      RADIOMETER +19V in volts
COEFF
         MVRADP19
                      0..088
POINT
         MVRDP190
COEFF
         MVRDP190
                      0,.088
POINT
         MV SCMRDR
                    ; SCAN MIRROR DRIVE in
                      29.725,-0.075
COEFF
         MY SCMRDR
POINT
         MV SCMRRG
                      SCAN MIRROR REGULATOR in
                      -35.5,.0676
COEFF
         MV SCMRRG
POINT
         MV SHRCTL
                      SHUTTER CONTROL INTEGRATOR in
COEFF
         MV SHRCTL
                      0,.02
POINT
         MYTLMP15
                      +15V TELEMETRY REGULATOR in
                      0,.0788
COEFF
         MYTLMP15
POINT
         MXAYDATA
                    ; AVERAGE DATA DENSITY in
COEFF
         MXAVDATA
                      0,.02
POINT
         MXBD1CHA
                      BAND I CHANNEL A VIDEO In
COEFF
         MXBD1CHA
                      -12.48,.0960
                      BAND 2 CHANNEL A VIDEO in -12.48,.0960
POINT
         MX BD2 CHA
COEFF
         MXBD2CHA
POINT
         MXB03CHA
                    ; BAND 3 CHANNEL A VIDEO in
COEFF
         MXBD3CHA
                      -12.48,.0960
POINT
         MXBD4CHA
                     BAND 4 CHANNEL A VIDEO in
COEFF
         MXBD4CHA
                    . -12.48..0960
```

ORIGINAL PAGE 19 OF POOR QUALITY

ORIGINAL PAGE IS OF POOR QUALITY

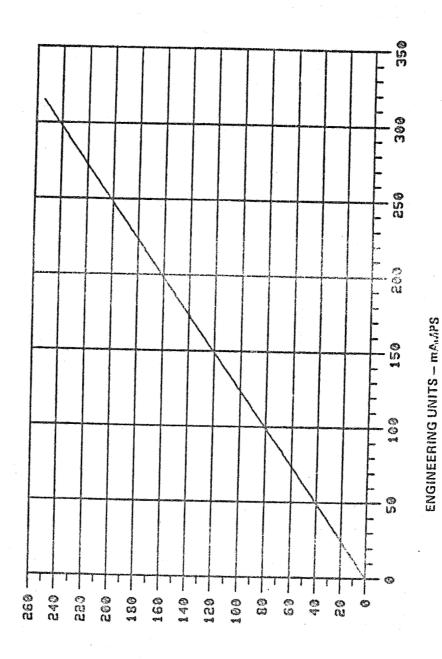


ENGINEERING UNITS - VOLTS

トルーとと くりっぱん

COUNTS US ENGINEERING UNITS FOR MICALLMP

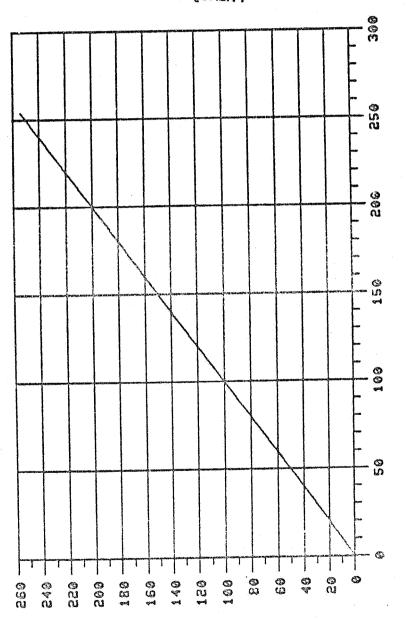
ORIGINAL PAGE IS OF POOR QUALITY



- W-WEW-E> CODZEO

COUNTS US ENGINEERING UNITS FOR MIOPSU10

ORIGINAL PAGE IS OF POOR QUALITY

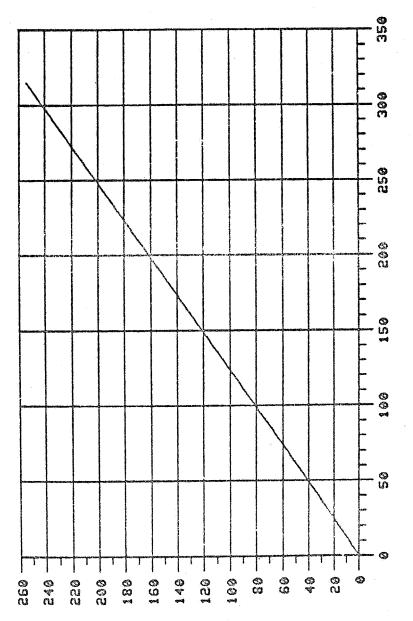


ENGINEERING UNITS - mAMPS

トミュロドロトな> 00コアトの

COUNTS US ENGINEERING UMITS FOR MIOPSUZO

ORIGINAL PAGE IS OF POOR QUALITY

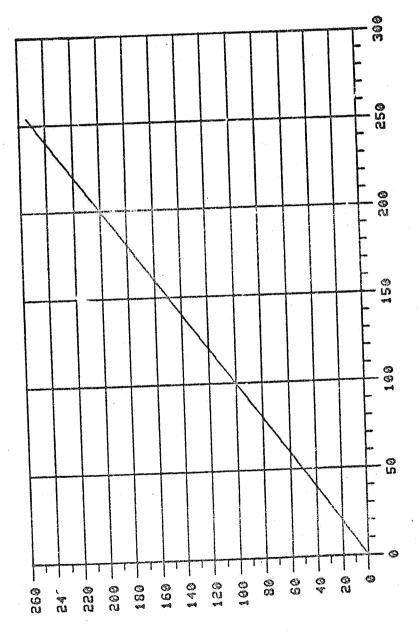


ENGINEERING UNITS - MAMPS

トШ」四日日日 くりつに下の

COUNTS US ENGINEERING UNITS FOR MIOPSUL1

ORIGINAL PAGE IS OF POOR QUALITY

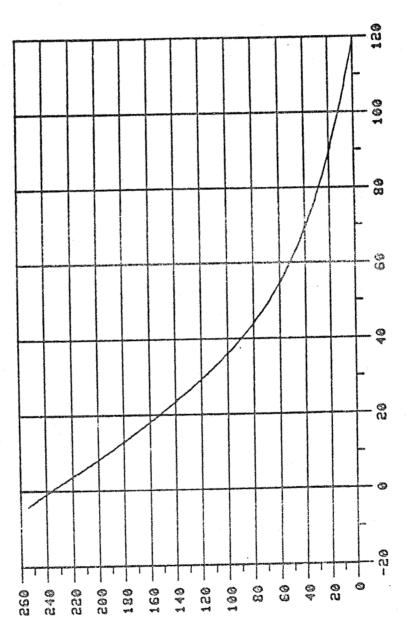


ENGINEERING UNITS - MAMPS

COUNTS US ENGINEERING UNITS FOR MIOPSULE

FULUEUFES CONTEN

CRIGINAL PAGE IS OF POOR QUALITY

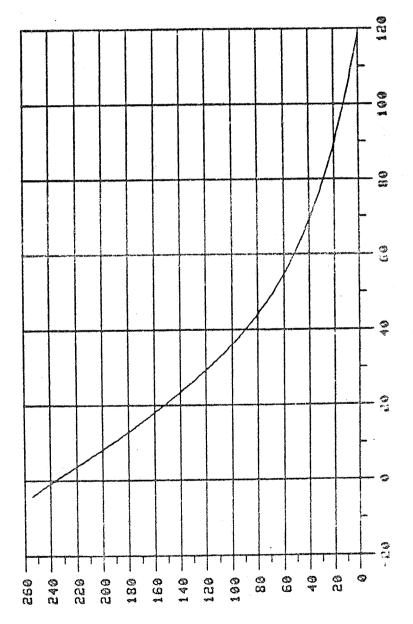


ENGINEERING UNITS – OCENT

COUNTS US ENGINEERING UNITS FOR MTELCUR

トピーロストの> 00コストの

ORIGINAL PAGE IS OF POOR QUALITY

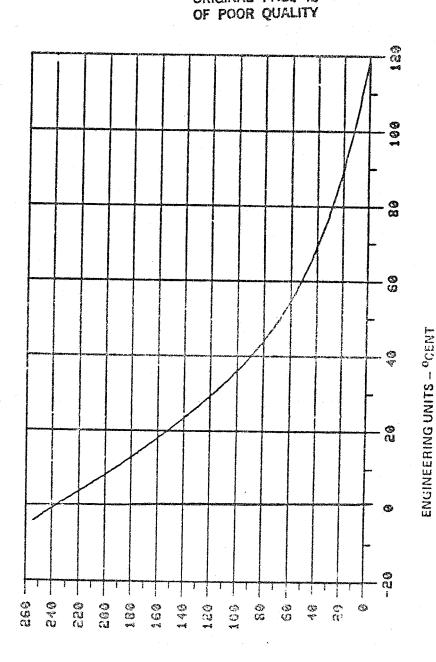


ENGINEERING UNITS - OCENT

トミーロスロースト くりつだてん

COUNTS US ENGINEERING UNITS FOR MTFIBOPI

COUNTS US ENGINEERING UNITS FOR MTF1B0P2



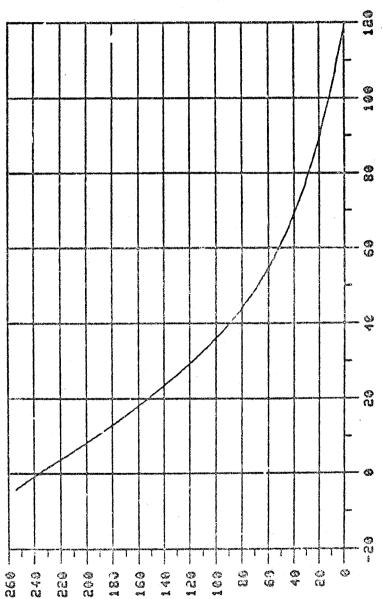
ORIGINAL PAGE IS

FULUEUFC> CODEFU

A. 17 17

ENGINEERING UNITS - OCENT

COUNTS US ENGINEERING UNITS FOR MINUX



ORIGINAL PAGE IS OF POOR QUALITY

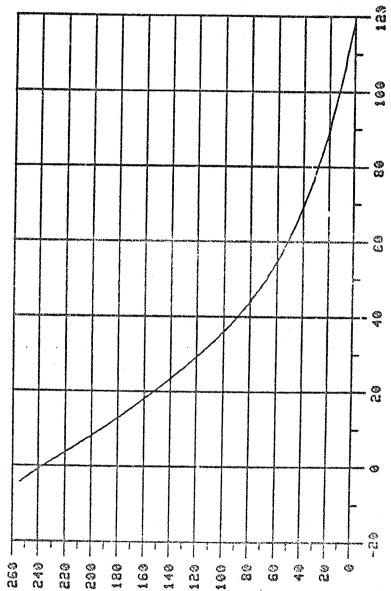
HUJUEUHC> OODEHG

A, 1" 1"

ENGINEERING UNITS - OCENT

ORIGINAL PAGE IS OF POOR QUALITY

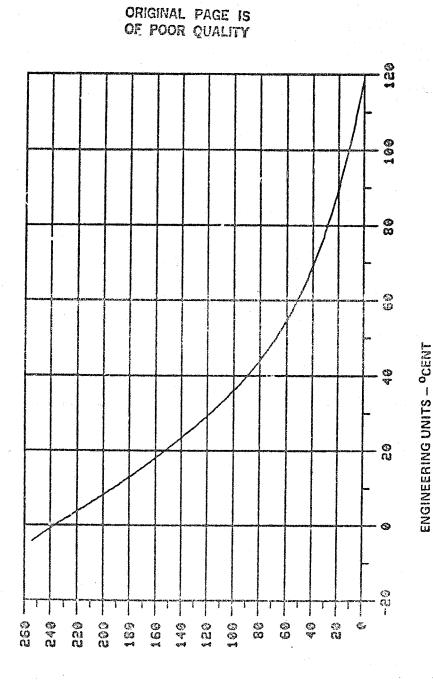
COUNTS US ENGINEERING UNITS FOR MTPPS1



FUJUEUFED CODEFO

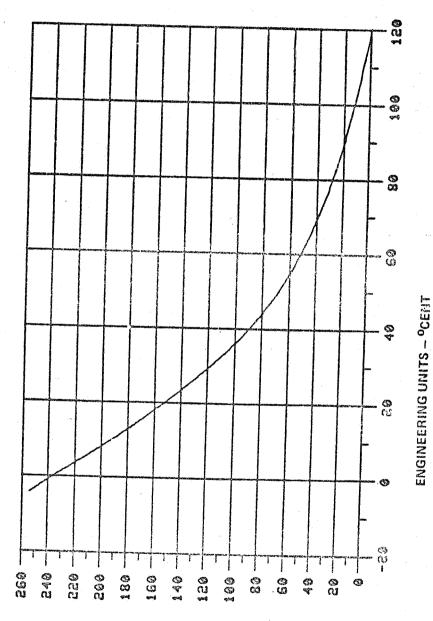
A. 17-14

COUNTS US ENGINEERING UNITS FOR MIPPSZ



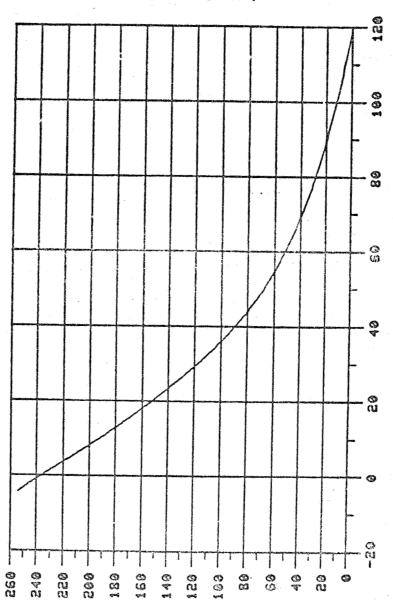
トルーにといっ いつコミトの

ORIGINAL PAGE IS OF POOR QUALITY



トピーピーにと くりつメトの

ORIGINAL PAGE IS OF POOR QUALITY

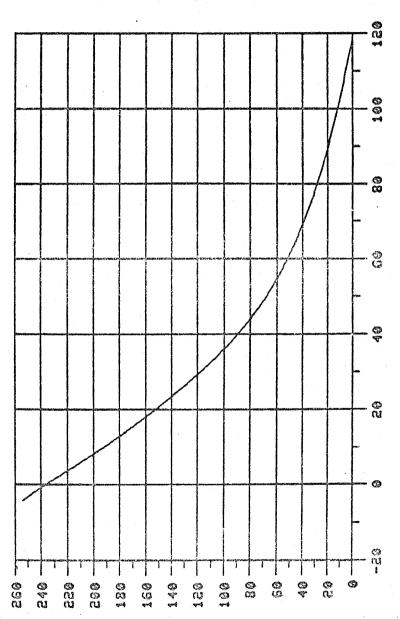


ENGINEERING UNITS - OCENT

FULUEUFA> CODZEG

COUNTS US ENGINEERING UNITS FOR MISCHROL

ORIGINAL PAGE IS OF POOR QUALITY

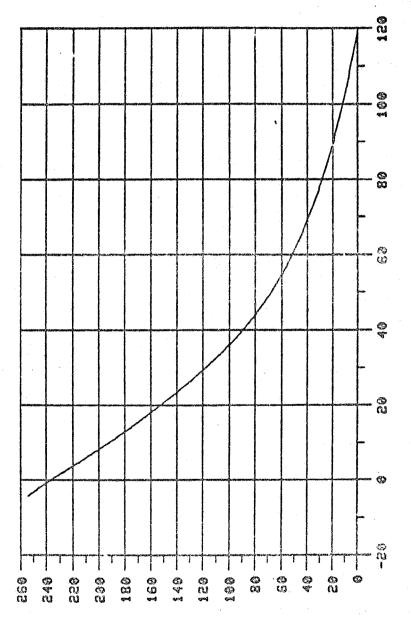


ENGINEERING UNITS - OCENT

トミしには くりしだ こうしだ こうしん

COUNTS US ENGINEERING UNITS FOR MTSCHREL

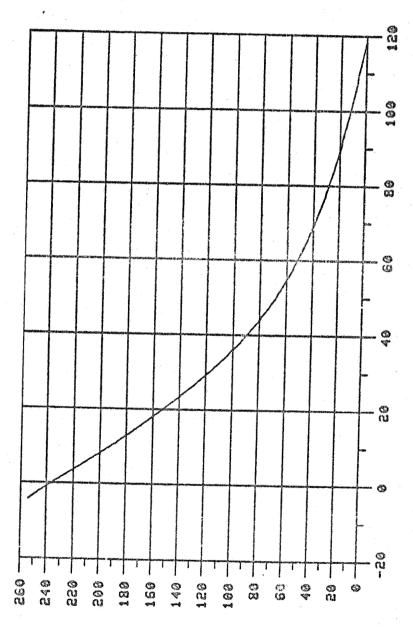
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - OCENT

HUJUEUHES CODZHO

COUNTS US ENGINEERING UNITS FOR MISCHRHG

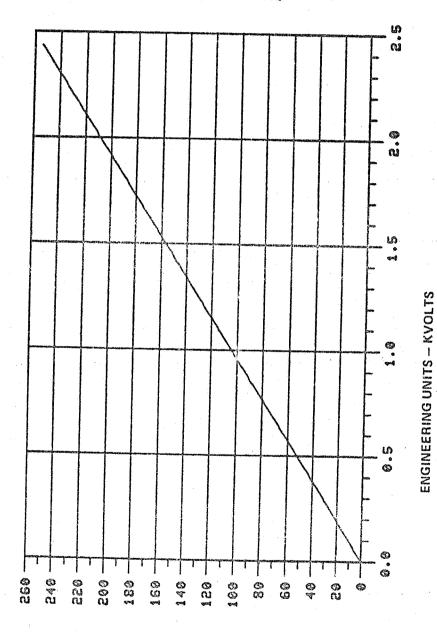


ENGINEERING UNITS - OCENT

トMJMMMLR> 00コストの

COUNTS US ENGINEERING UNITS FOR MTSCHRRG

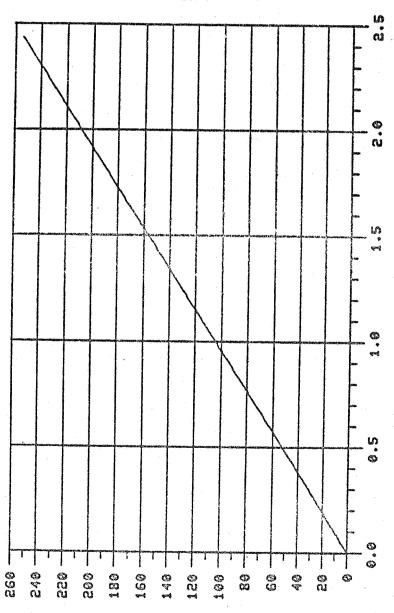
ORIGINAL PAGE IS OF POOR QUALITY



いっぱん くりっぱん いっしょう

COUNTS US ENGINEERING UNITS FOR MUBIHUAD

ORIGINAL PAGE IS OF POOR QUALITY

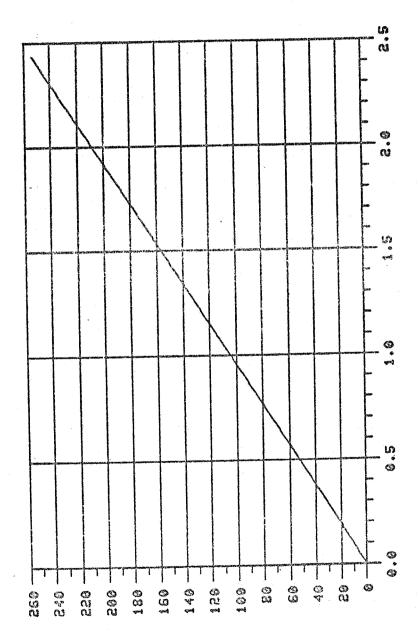


ENGINEERING UNITS - KVOLTS

PHIMEMPED COUSEN

COUNTS US ENGINEERING UMITS FOR MUBIHUBO

ORIGINAL PAGE IS OF POOR QUALITY

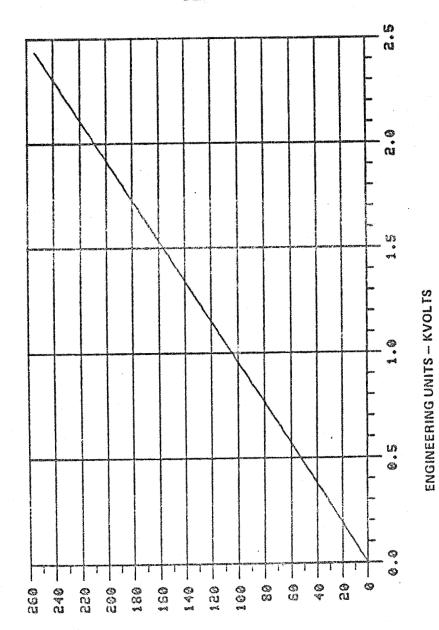


ENGINEERING UNITS - KVOLTS

HULUEMPED COUZEN

COUNTS US ENGINEERING UNITS FOR MUBEHUAD

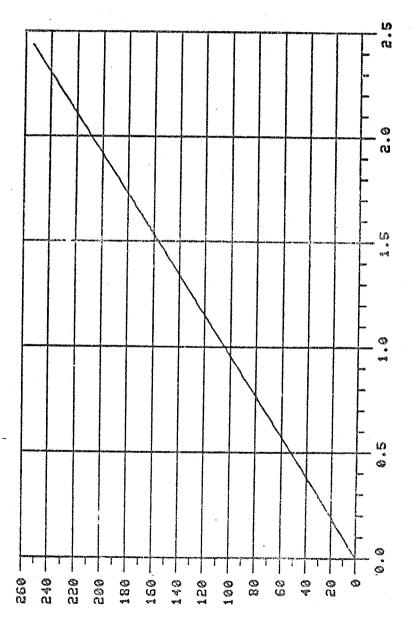
ORIGINAL PAGE IS OF POOR QUALITY



トローロミュース> いつコストの

COUNTS US ENGINEERING UNITS FOR MUBEHUBO

ORIGINAL PAGE IS OF POOR QUALITY

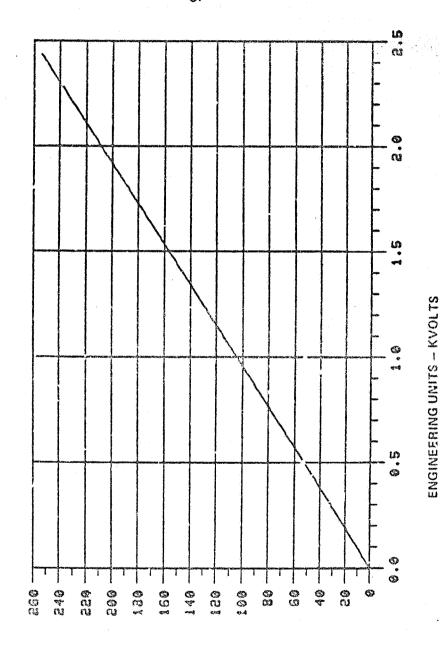


ENGINEERING UNITS - KVOLTS

トミュログ くりょうしょう

COUNTS US ENGINEERING UNITS FOR MUBBHUAD

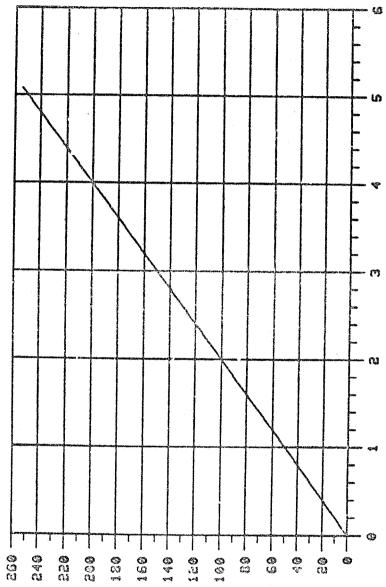
ORIGINAL PAGE IS OF POOR QUALITY



HUJUEUHC> CODEHO

ENGINEERING UNITS - KVOLTS

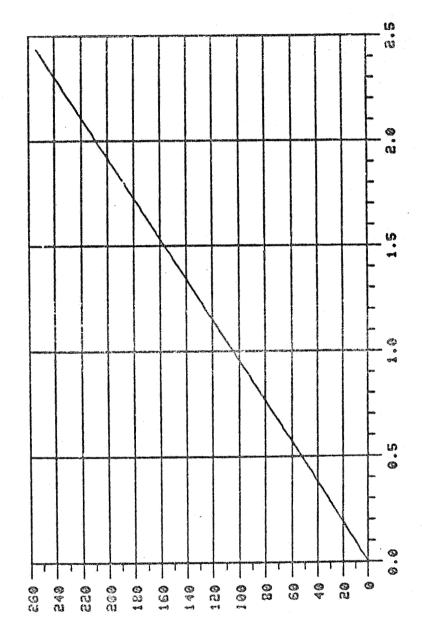
ORIGINAL PAGE IS OF POOR QUALITY



-m-imemea> cobse-a

A 17 --

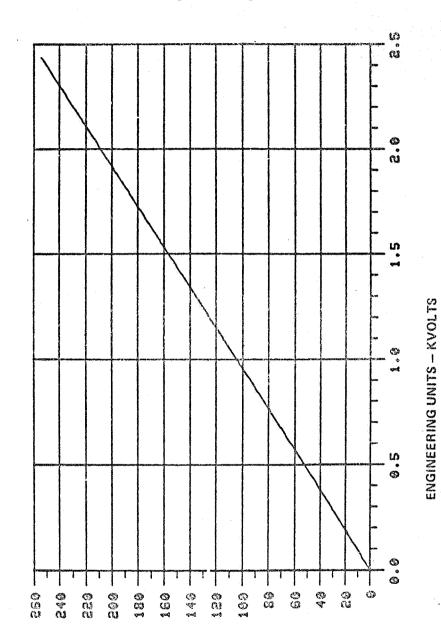
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - KVOLTS

FULUEUFED CODEFO

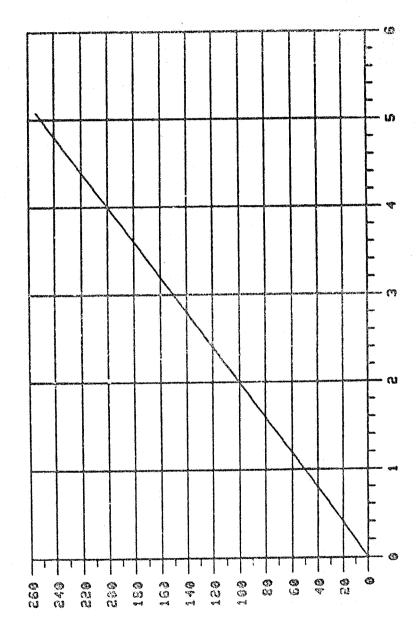
CRIGINAL PAGE IS OF POOR QUALITY



いしょうしょう くりつだしの

COUNTS US ENGINEERING UNITS FOR RUBDABIS

ORIGINAL PAGE IS OF POOR QUALITY

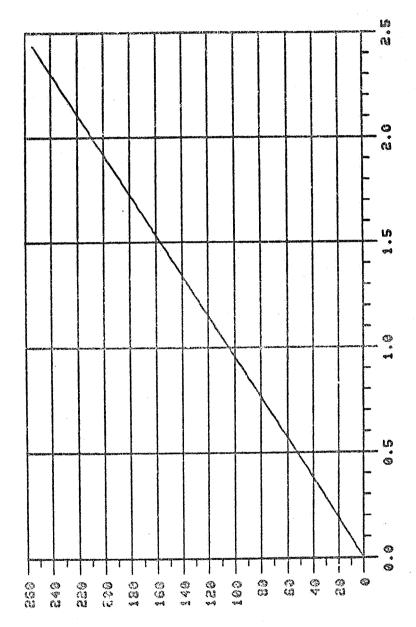


ENGINEERING UNITS - VOLTS

FULUEUFES CODEFO

N. 1 . 30

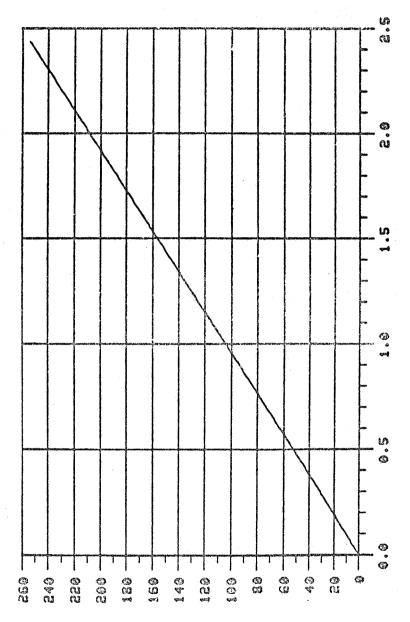
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - KVOLTS

NAZCOO CAAMAMUA

ORIGINAL PAGE IS OF POOR QUALITY

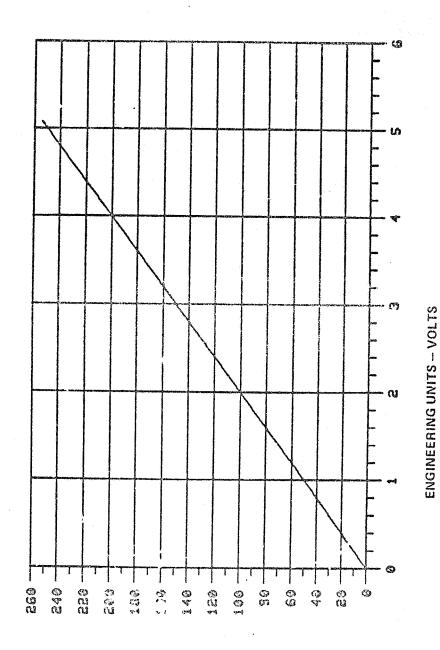


ENGINEERING UNITS - KVOLTS

NAZCOO CMANUBULMA

COUNTS US ENGINEERING UNITS FOR MUBDEHUB

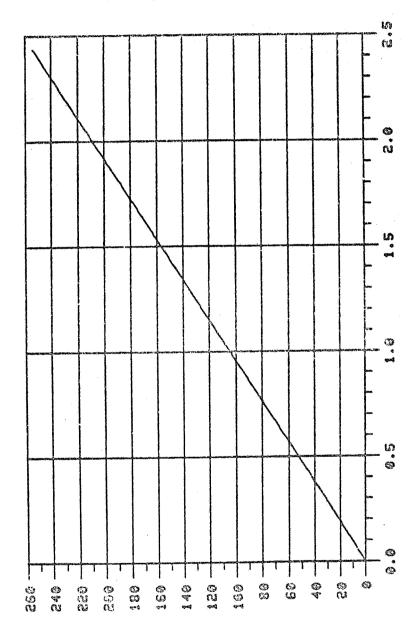
ORIGINAL PAGE IS OF POOR QUALITY



HUJUEULC> CODZEN

COUNTS US ENGINEERING UNITS FOR MUBD3B1S

ORIGINAL PAGE IS OF POOR QUALITY

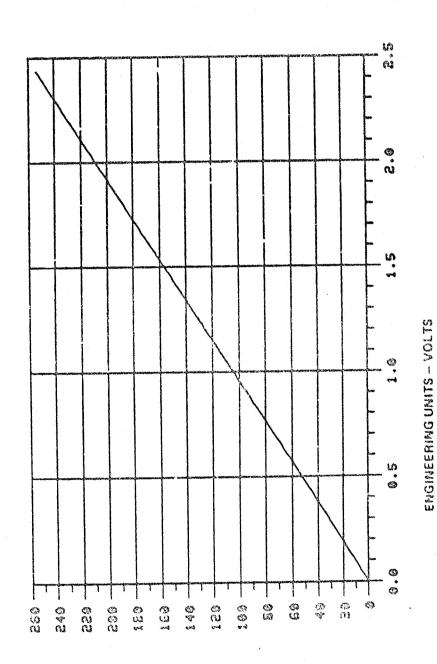


ENGINEERING UNITS - KVOLTS

トほしほほんてい こりじれてら

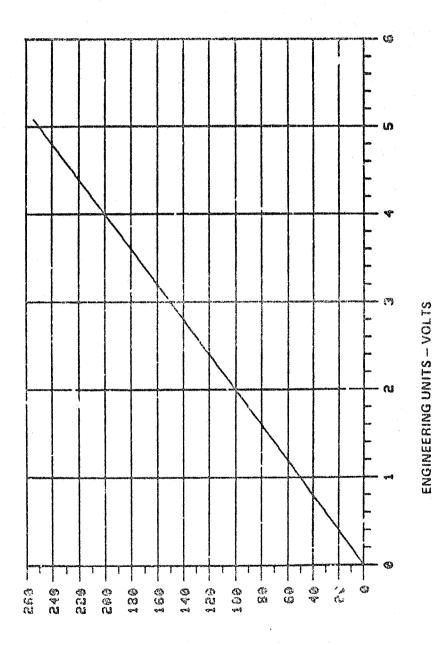
COUNTS US ENGINEERING UNITS FOR MUBD3HUA

COUNTS US ENGINEERING UNITS FOR MURDENUE



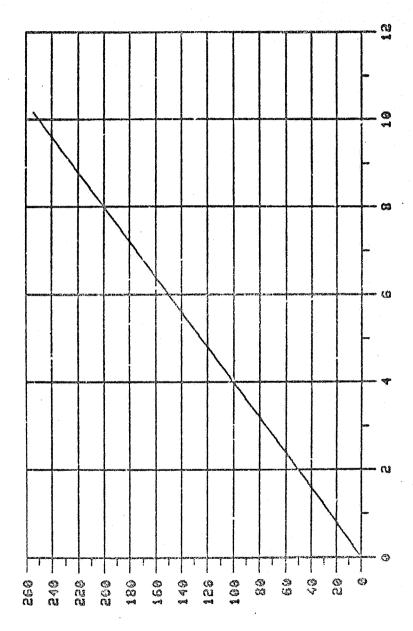
トピーロにひし くりしにする

ORIGINAL PAGE 18



PUJUEUPES CODZEG

ORIGINAL PAGE IS OF POOR QUALITY

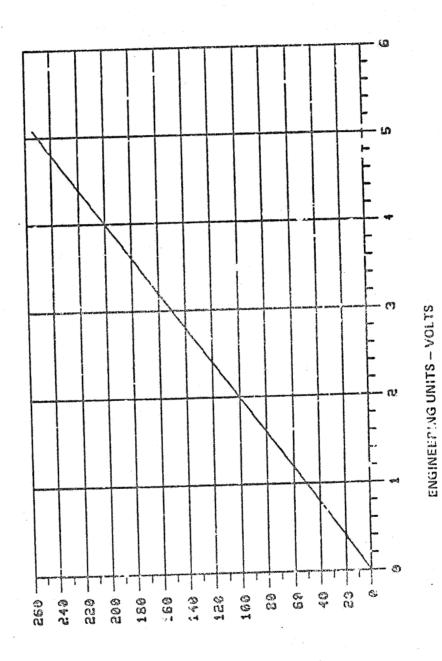


ENGINEERING UNITS - VOLTS

MUSUCO COURTHO

COUNTS US ENGINEERING UNITS FOR MUNICIPAS

ORIGINAL PAGE IS OF POOR QUALITY

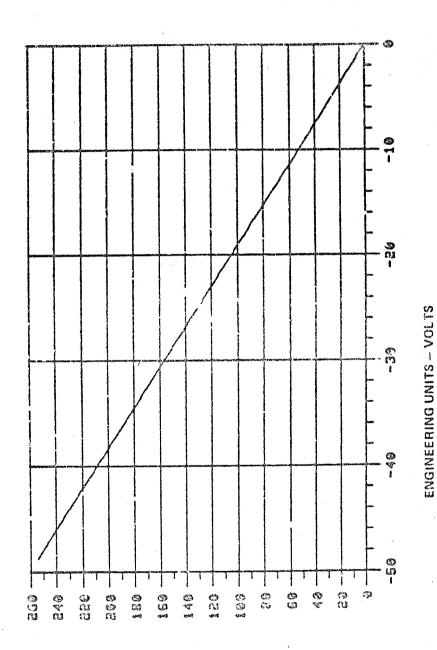


COUNTS US ENGINEERING UNITS FOR MUPIZHAG

トローロドロトロン くりじだとる

A.17 38

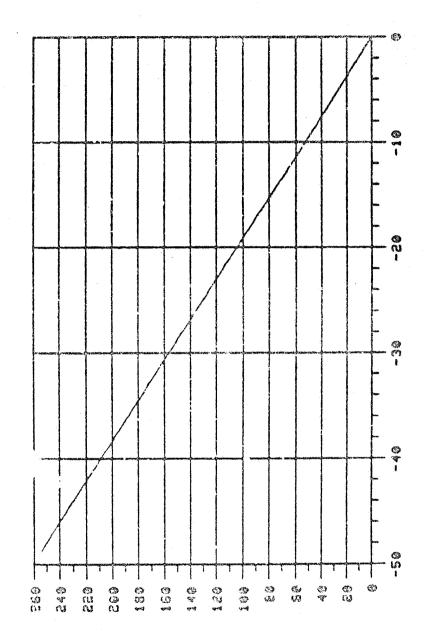
ORIGINAL PAGE IS OF POOR QUALITY



PHIHEHERS COIMPH

OF POOR QUALITY

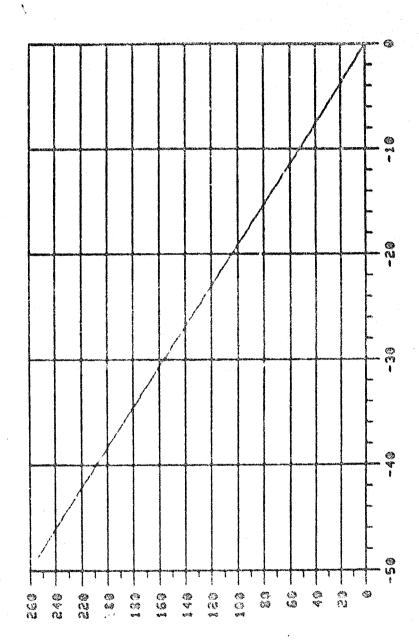
£ ...



ENGINEERING UNITS - VOLTS

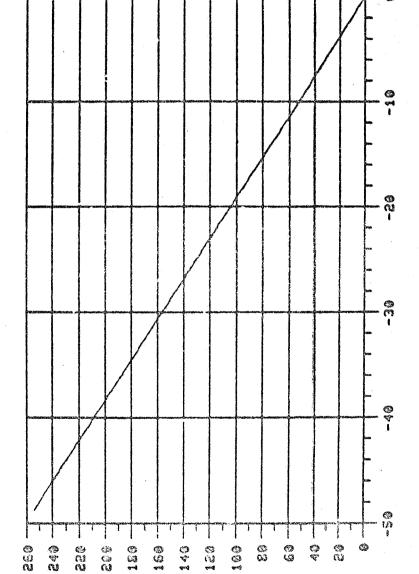
PHILLIP COURTS

COUNTS US ENGINEERING UNITS FOR MUPSENZA



ENGINEERING UNITS - VOLTS

NAICOO KAAMBULWA

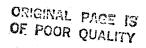


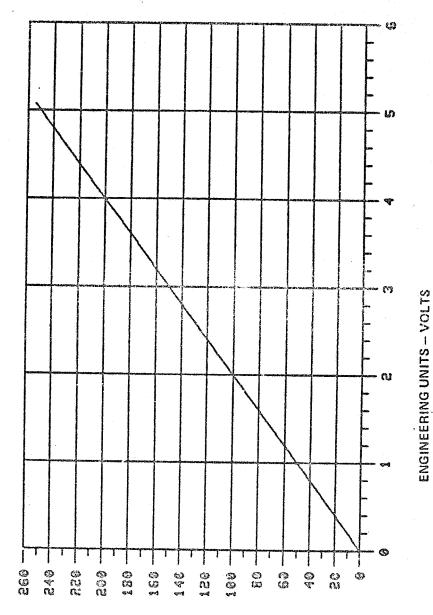
ENGINEERING UNITS - VOLTS

MARCOO <BAMBULWA

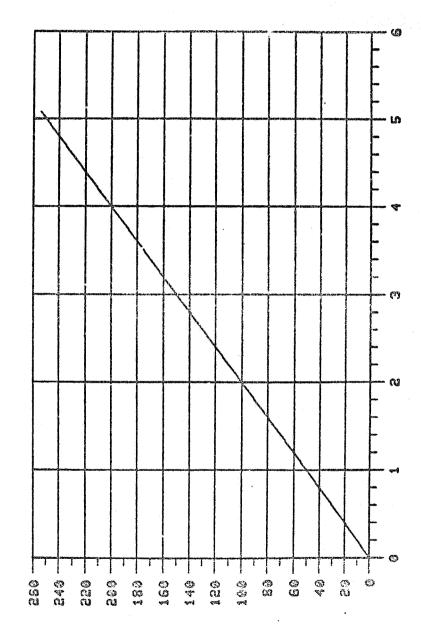
COUNTS US ENGINEERING UNITS FOR MUPSENO

COUNTS US ENGINEERING UNITS FOR HURADB19





トロンシェローペン ひつってい

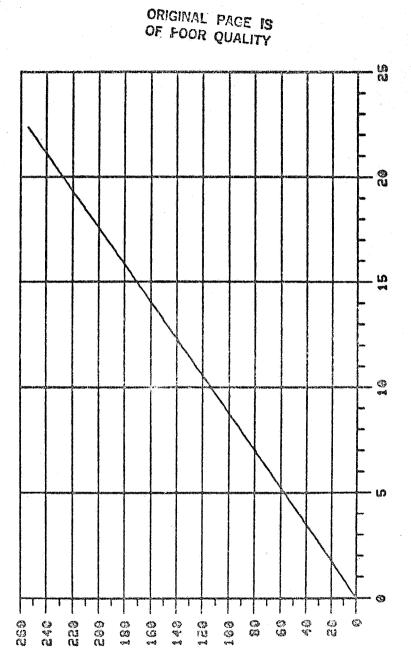


ENGINEERING UNITS - VOLTS

トミュロロ くりょうしょうしょ

COUNTS US ENGINEERING UNITS FOR MURADPOS

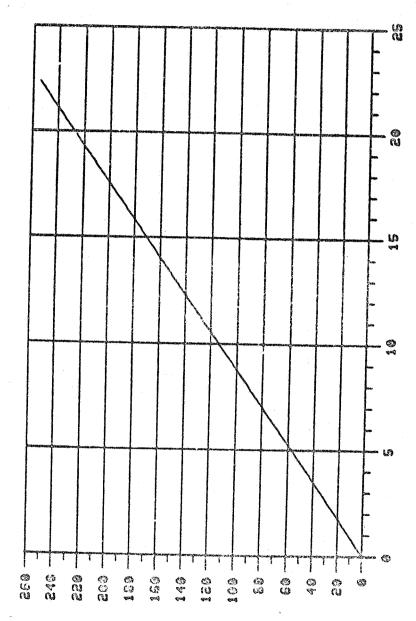
COUNTS US ENGINEERING UNITS FOR NURADP19



ENGINEERING UNITS - VOLTS

HUJUEUHC> CODZHO

OF POOR QUALITY

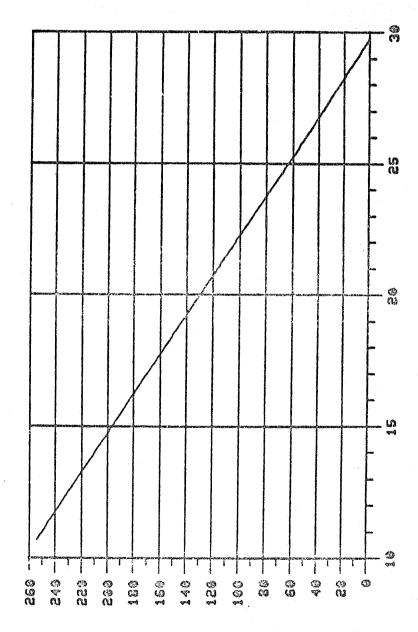


ENGINEERING UNITS - VOLTS

いっぱい くりっぱんしゅ

COUNTS US ENGINEERING UNITS FOR MURDPISO

ORIGINAL PAGE IS OF POOR QUALITY

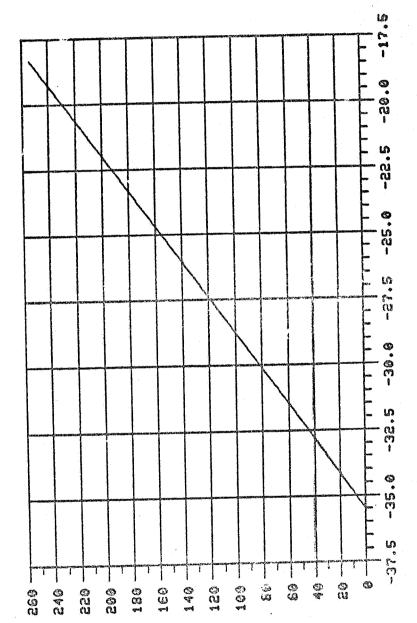


ENGINEERING UNITS - VOLTS

PULUEMPED CODEPA

COUNTS US ENGINEERING UNITS FOR HUSCHRDR

ORIGINAL PAGE IS OF POOR QUALITY



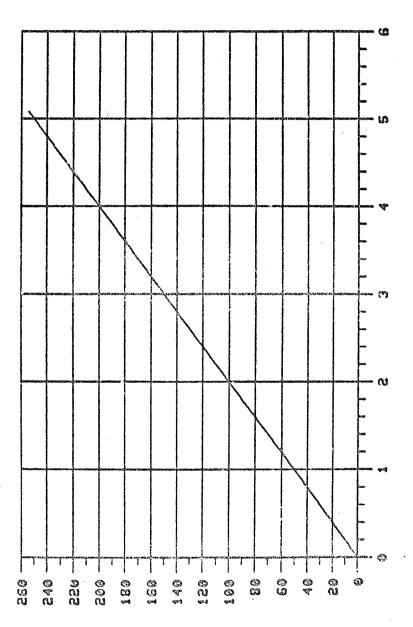
ENGINEERING UNITS - VOLTS

PHIMEMPRS CODEFU

COUNTS US ENGINEERING UNITS FOR MUSCHARG

A.17 as

ORIGINAL PAGE IS OF POOR QUALITY

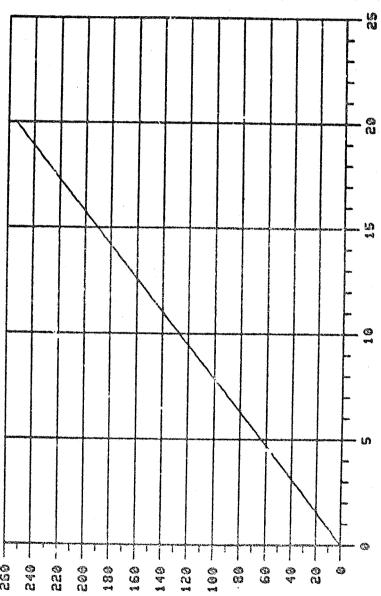


ENGINEERING UNITS - MVOLTS

トローロと くりょうしゅう

COUNTS US ENGINEERING UNITS FOR MUSHROTL

ORIGINAL PAGE IS OF POOR QUALITY



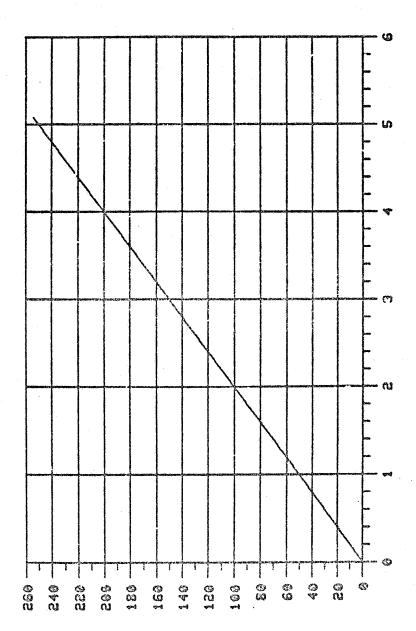
ENGINEERING UNITS - VOLTS

トピーにはにいったと CODIEN

A. 17- 50

COUNTS US ENGINEERING UNITS FOR MUTLHPLS

ORIGINAL PAGE IS OF POOR QUALITY



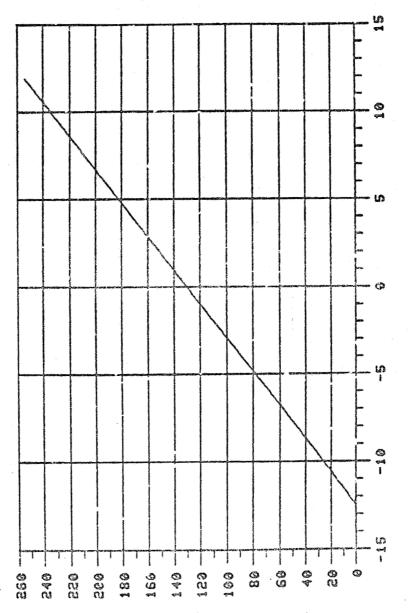
ENGINEERING UNITS - MVOLTS

PERSON CRAMEMPER

COUNTS US ENGINEERING UNITS FOR MXAUDATA

A.17 51

ORIGINAL PAGE IS OF POOR QUALITY

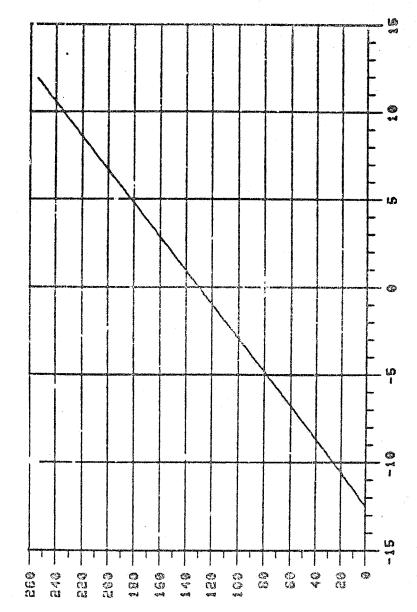


ENGINEERING UNITS - VOLTS

FULUEUFES CODEFO

COUNTS US ENGINEERING UNITS FOR MXBD1CHA

ORIGINAL PAGE IS OF POOR QUALITY



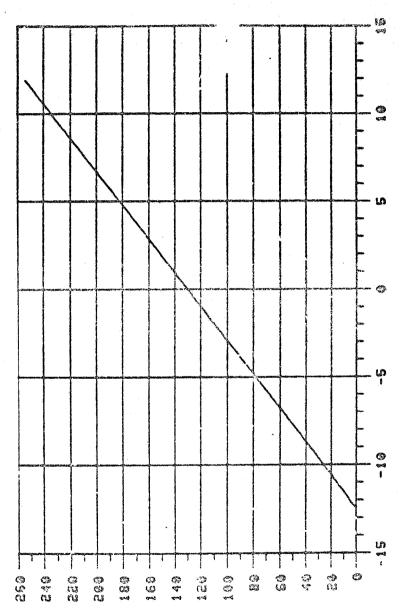
ENGINEERING UNITS - VOLTS

HUJUEUHEN CODZHU

ENGINEERING UNITS - VOLTS

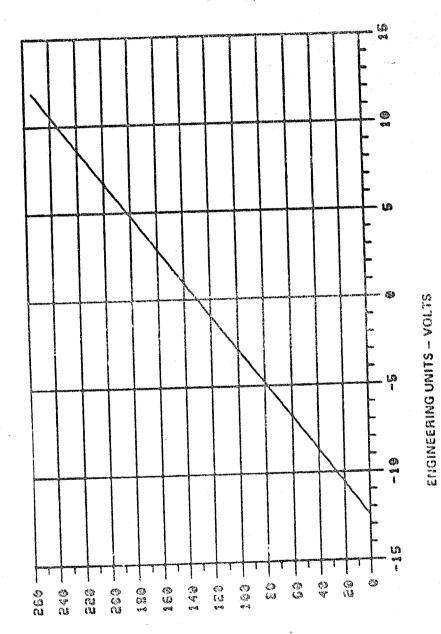
COUNTS US ENGINEERING UNITS FOR MARDSCHA

ORIGINAL PAGE 19 OF POOR QUALITY



השבשביש:בשבשר

ORIGINAL PAGE IS OF POOR QUALITY



PHJMEMPG> OOJEPA

SVS-10266/3A Appendix A June 1982

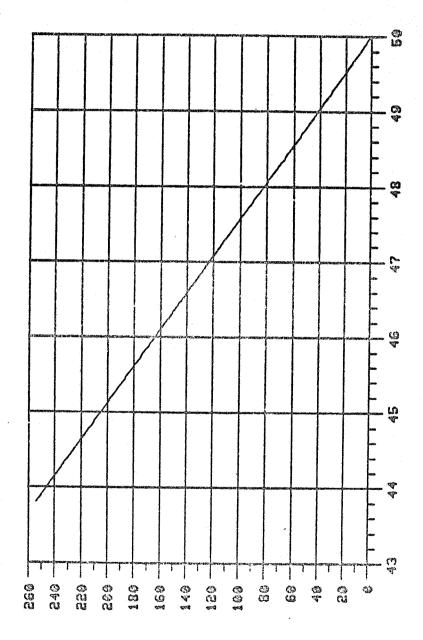
#### APPENDIX A.18

### PAYLOAD CORRECTION DATA (PCD) TELEMETRY CALIBRATION DATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

```
ORIGINAL PAGE IS
      ADS CONV. DEF.
                                        OF POOR QUALITY
 ************
                      50,-.024414
COEFF
         XADSXI
COEFF
         XADSX2
                      50,-.024414
COEFF
         XADSX3
                      50,-.024414
COEFF
         XADSX4
                      50,-.024414
COEFF
         XADSY1
                      50,-.024414
COEFF
         XADSY2
                      50,-.024414
COEFF
         XADSY3
                      50,-.024414
COEFF
         XADSY4
                      50,-.024414
COEFF
         XADSZ1
                      50,-.024414
COEFF
         XADSZ2
                      50,-.024414
COEFF
         XADSZ3
                      50,-.024414
                      50,-.024414
COEFF
         XADSZ4
COEFF
         XGROUND
                      5000,-2.4414
COEFF
                      0.0, 0.05
         XGYRO11
COEFF
         XGYR012
                      0.0,0.05
COEFF
         XGYR013
                      0.0,0.05
COEFF
         XGYRT: 4
                      0.0,0.05
COEFF
         XGYPU21
                      0.0,0.05
COEFF
         XGYRO22
                      0.0,0.05
COEFF
         XGYR023
                      0.0,0.05
COEFF
         XGYRO24
                      0.0,0.05
COEFF
         XGYR031
                      0.0,0.05
COEFF
         XGYR032
                     0.0,0.05
COEFF
         XGYR033
                     0.0,0.05
COEFF
         XGYR034
                     0.0,0.05
POINT
         XTADSA
                    ; ADS TEMP in deg. centigrade
COEFF
         XTADSA
                    , .11682E+4,-.3543E+2,.45573E00,-.29525E-2,.95116E-5,-.12177E-7
```

ORIGINAL PAGE IS OF POOR QUALITY



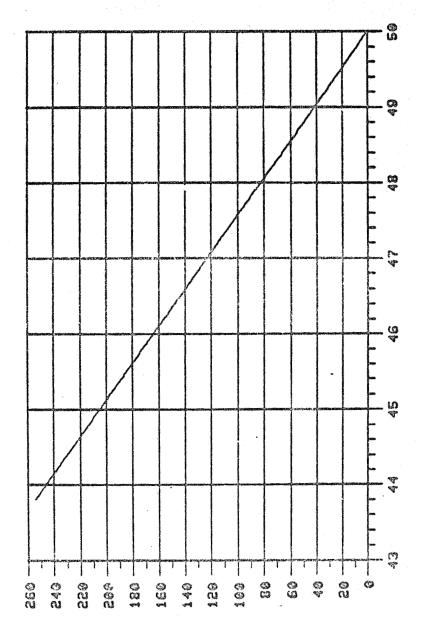
ENGINEERING UNITS

PHIMEMPG> CODZEO

COUNTS US ENGINEERING UNITS FOR XADSX1

A. 18 7

ORIGINAL PAGE IS OF POOR QUALITY



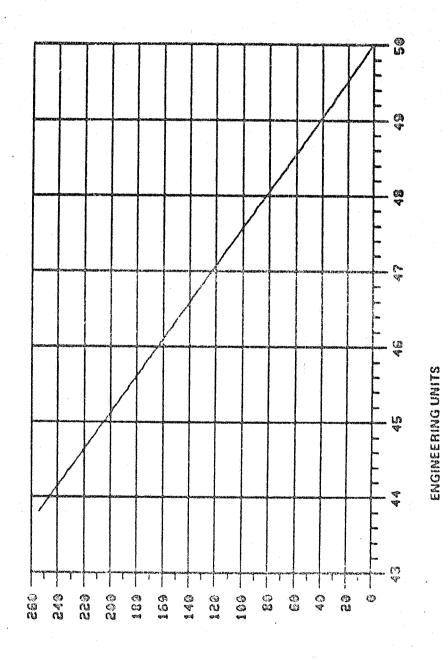
ENGINEERING UNITS

-M-MEM-ED CODELO

COUNTS US ENGINEERING UNITS FOR XADSKR

A (D

ORIGINAL PAGE 19 OF POOR QUALITY

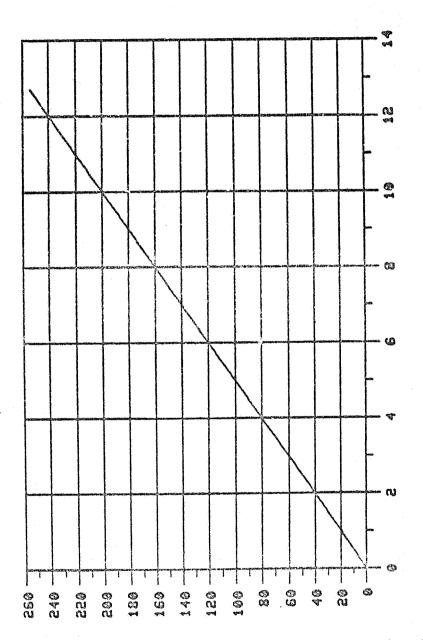


MARCOO KRAMRUHA

COUNTS US ENGINEEPING UNITS FOR XADSX3

0.18 %

ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS

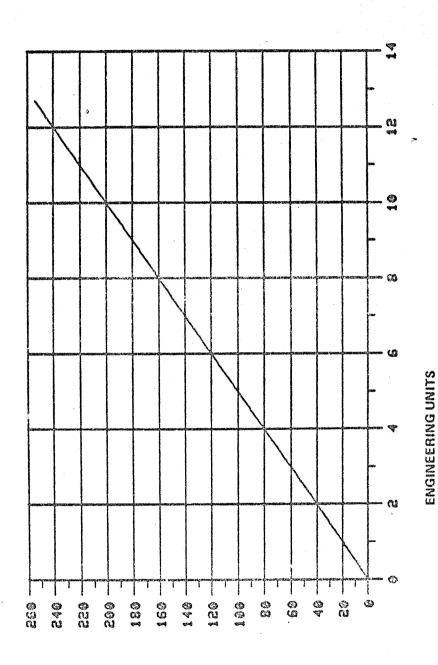
ちょれいこう くりょうほうしょ

COUNTS US ENGINEERING UNITS FOR XGYRO11

A 19 A

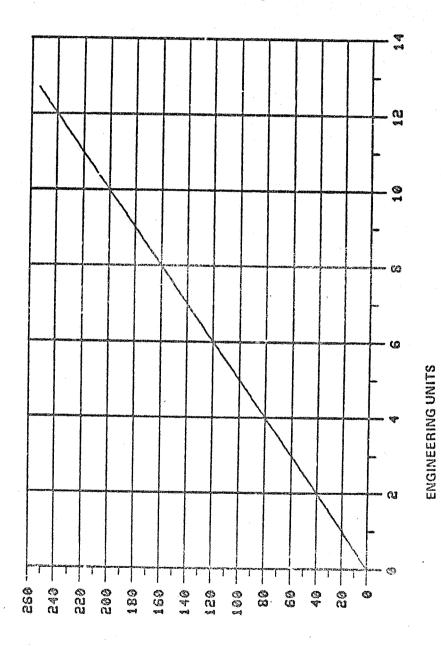
COUNTS US ENGINEERING UNITS FOR XGYRO12

ORIGINAL PAGE IS OF POOR QUALITY

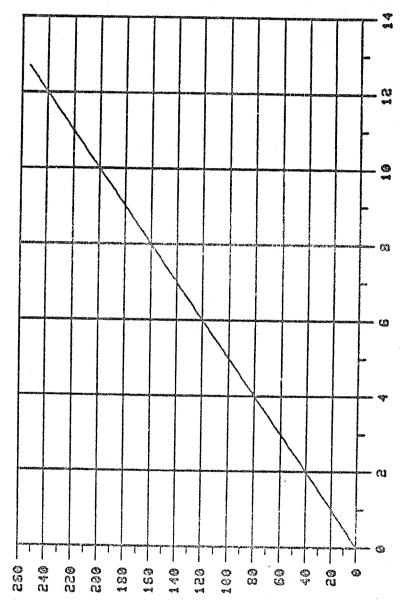


PWJUEWPE> CODZEG

# ORIGINAL PAGE IS OF POOR QUALITY

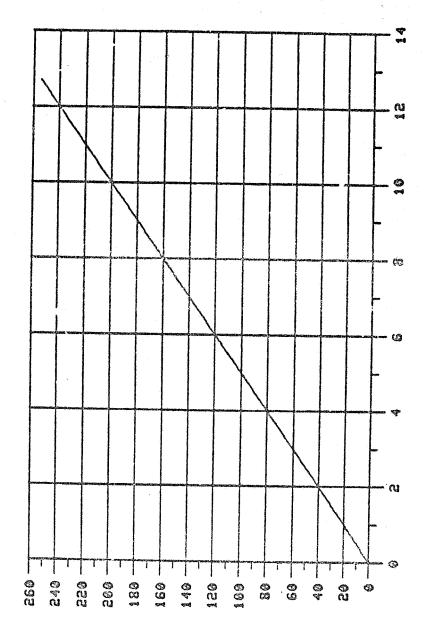


hmamemes oossew



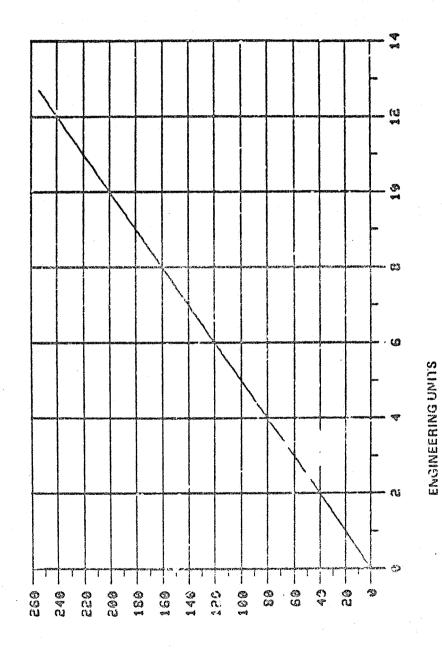
FULUEMER > COUSEO

ORIGINAL PAGE IS OF POOR QUALITY



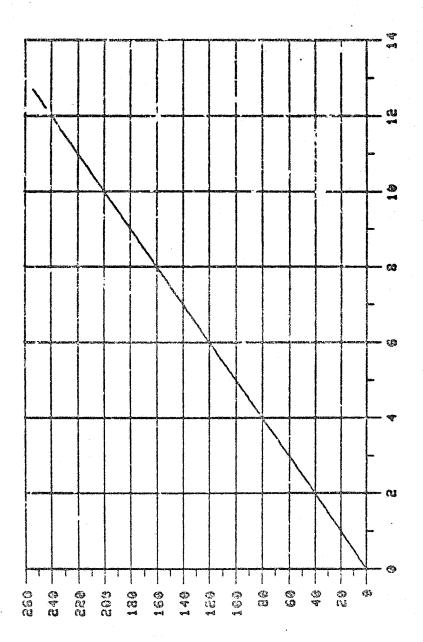
FULUEUFE> CODZEO

ORIGINAL PAGE IS OF PCOR QUALITY

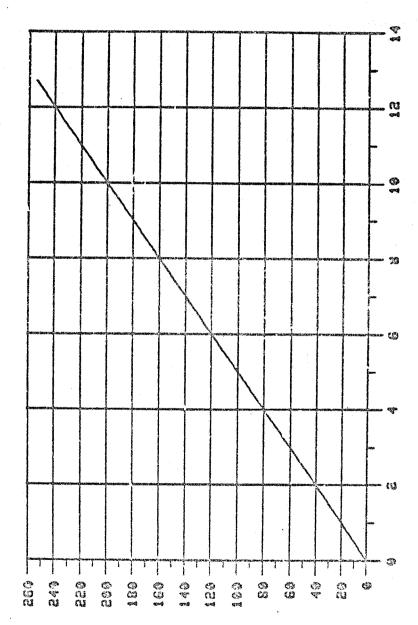


HUJUEUFE> CODEFS

ORIGINAL PAGE 19 OF POOR QUALITY

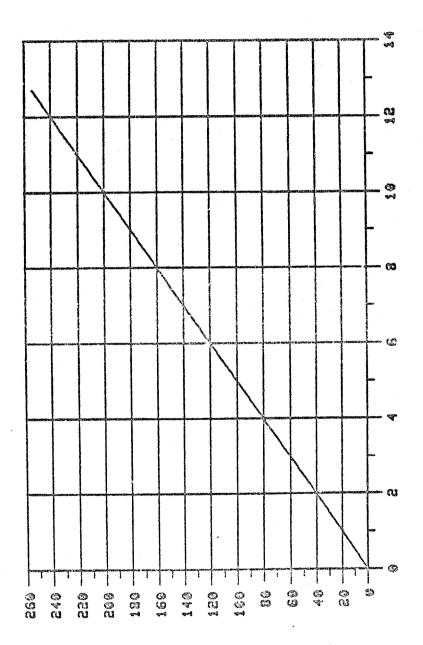


PUJUEUPE> CODEPO



しょれにこう くりょうほうしゅ

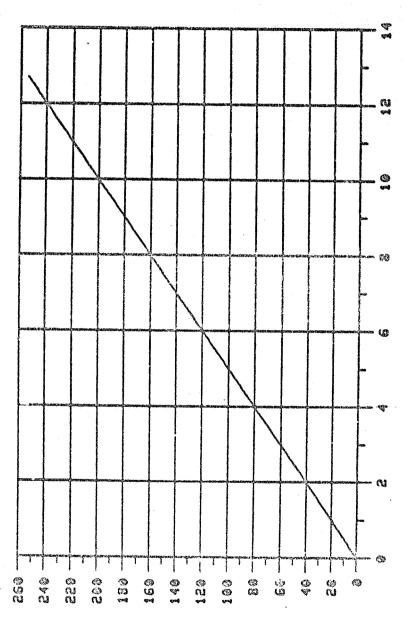
ORIGINAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS

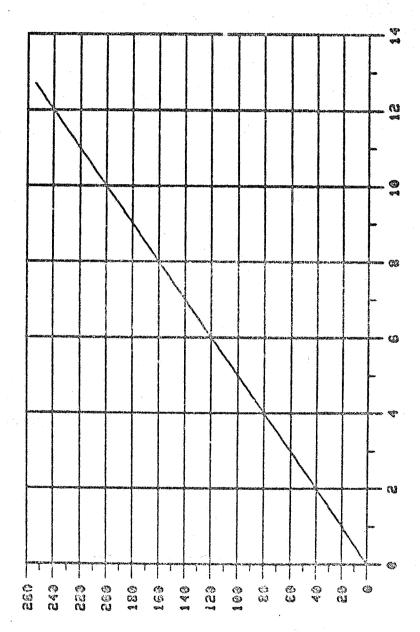
トロンログロース> 00コエトの

ORIGINAL PAGE IS OF POOR QUALITY



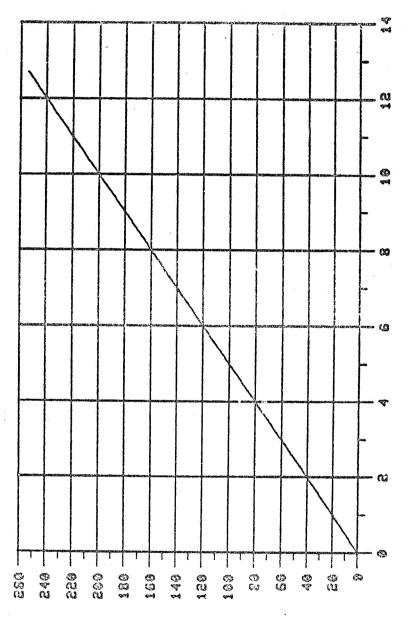
PWJWZWPKY CODZEG

ORIGINAL PAGE 13 OF POOR QUALITY



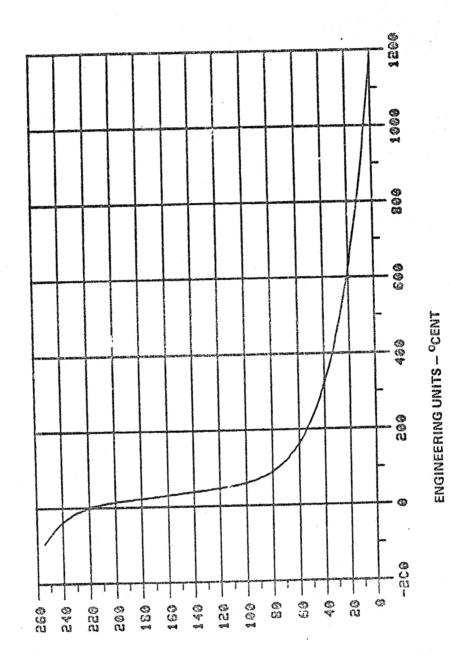
PULLED C> OODEFO

CRIGINAL PAGE IS OF POOR QUALITY



トローロニロトロン いっつてトの

ORIGINAL PAGE IS OF POOR QUALITY



FULUEMPES COSTER

COUNTS US ENGINEERING UNITS FOR XTADSA

ORIGINAL PAGE IS OF POOR QUALITY SVS-10266/3A Appendix A June 1982

#### APPENDIX A.19

THERMAL CONTROL SUBSYSTEM (TCS) TELEMETRY CALIBRATION DATA

The calibration curve coefficients for each telemetry point are controlled in the data base. They are listed along with the unit section number where the sensor is located. Tables showing the coefficients may be obtained from the data base administrator. The tables show telemetry volts (counts) vs. engineering units.

LSD-WPC-263

A 10-1

## ORIGINAL PAGE 19 OF POOR QUALITY

THERMAL CONV. DEF.

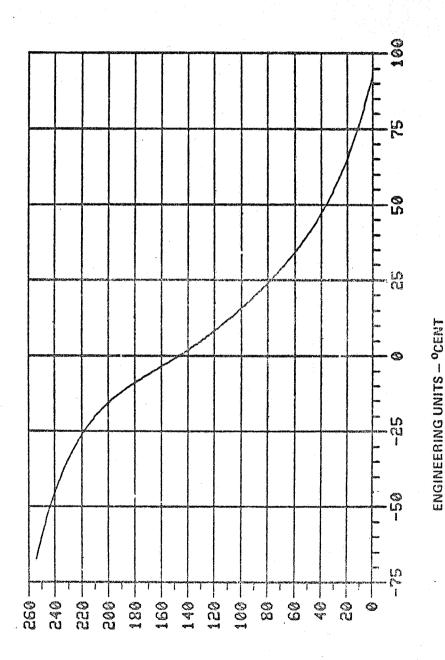
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

```
POINT
          QTAPXFT
                      ; APEX FITTING NO. 1 TEMP in deg. centigrade
          QTAPXF1
COEFF
                        .92447E+2,-.16969E+1,.19753E-1,-.14574E-3,.61211E-6,-.10389E-8
          QTAPXF2
                        APEX FITTING NO. 2 TE.P in deg. centigrade
POINT
          QTAPXF2
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
POINT
          QTAPXF3
                        APEX FITTING NO. 3 TEMP in deg. centigrade
          QTAPXF3
COEFF
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
                        ARRAY TEMP NO. 1 in deg. centigrade
POINT
          QTARRYT
                        -.2401E+3,.1552E+1,.2445E-2,-.1312E-5,-.5379E-7,.1481E-9
ARRAY TEMP NO. 2 in deg. centigrade
COEFF
          QTARRY1
POINT
          QTARRY2
                        -.2401E+3,.1552E+1,.2445E-2,-.1312E-5,-.5379E-7,.1481E-9
COEFF
          QTARRY2
                        ARRAY TEMP NO. 3 in deg. centigrade
POINT
          OTARRY3
                        -.2401E+3,.1552E+1,.2445E-2,-.1312E-5,-.5379E-7,.1481E-9
          QTARRY3
COEFF
POINT
          QTARRY4
                       ARRAY TEMP NO.4 in deg. centigrade
COEFF
          OTARRY4
                        -.2401E+3,.1552E+1,.2445E-2,-.1312E-5,-.5379E-7,.1481E-9
POINT
          OTBJPYO
                        BOOM JETTISON PYRO BRACKET TEMP in deg. centigrade
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
          OTEJPYO
                        BOOM LATCHDOWN FITTING TEMP NO. 1 in deg. centigrade
POINT
          QTCLFI
COEFF
          OTELFI
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
POINT
          QTBLF2
                        BOOM LATCHDOWN FITTING TEMP NO. 2 in deg. centigrade
COEFF
          OTBLF2
                        .92447E+2.-.16969E+1..18753E-1.-.14574E-3..61211E-6.-.10389E-8
POINT
          OTCWH81
                        CLOSING WEB (WB MODULE) NO. 1 TEMP in deg. centigrade
COEFF
          QTCWHBI
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.6121 6,-.10389E-8
POINT
          QTCWWB2
                        CLOSING WEB (WB MODULE) NO. 2 TEMP in deg. centigrade
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
EQUIP MTG PNL 4 TEMP (-Y) in deg. centigrade
COEFF
          QTCWWB2
POINT
          OTEOPN4
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
EQUIP MTG PNL 5 TEMP (-Y) in deg. centigrade
COEFF
          QTEQPN4
POINT
          QTEQPN5
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
EQUIP MTG PNL 6 TEMP (-Y) in deg. centigrade
.92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
EQUIP MTG PNL 1 TEMP (+Y) in deg. centigrade
COEFF
          QTEQPN5
          QTEQPN6
POINT
COEFF
          QTEQPN6
POINT
          QTEQPPI
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
EQUIP MTG PNL 2 TEMP (+Y) in deg. centigrade
COEFF
          QTEQPP1
POINT
          OTEOPP2
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
          QTEQPP2
                        EQUIP MTG PNL 3 TEMP (+Y) in deg. centigrade
POL IT
          QTEQPP3
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
          QTEQPP3
          OTGPSAP
                        GPS PRE-AMPLIFIER TEMP in deg. centigrade
POINT
COEFF
          OTGP SAP
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
POINT
          OTLBPWH
                        OUTER LOVER BOOM PWR HINGE TELP in deg. centigrade
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8 INNER LOWER BOOM PWR HINGE TEMP in deg. centigrade
COEFF
          OTLBPWH
POINT
          OTLBPWHI
COEFF
          JTLBPWHI
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
POINT
          QTMSSMT
                        MSS MOUNT TEMP in deg. centigrade
COEFF
          QTMSSMT
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
                        CLOSING WEB (MSS SENSOR) NO. 1 TEMP in deg. centigrade
POINT
          [WSSMTQ
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8.
COEFF
          QTMSSW1
                        CLOSING WEB (MSS SENSOR) NO. 2 TEMP in deg. centigrade
POINT
          QTMSSW2
COEFF
          QTMSSW2
                        .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
```

```
POINT
                   ; -Y KEEL STRUCTURE TEMP in deg. centigrade
         OTHEGYK
CCEFF
         OTNEGYK
                      .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
POINT
         OTPOUIB
                     PDU MTG PANEL (INBOARD) TEMP in deg. centigrade
                      .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
         OTPDUIB
                     PDU MTG PANEL (TOP OUTBOARD) TEMP in deg. centigrade
POINT
         OTPDUOB
COEFF
         OTPDUOS
                     .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
                     +Y KEEL STRUCTURE TEMP in deg. centigrade
POINT
         OTPOSYK
COEFF
         OTPOSYK
                      .92447E+2.-.16969E+1..18753E-1.-.14574E-3,.61211E-6,-.10389E-8
POINT
         QTRFCPO
                     RF COMBINER PANEL (OUTBOARD) TEMP in deg. centigrade
                      .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
         QTRFCPO
POINT
         QTRIUGI
                     RIU 06 MOUNTING PANEL (INBOARD) TEMP in deg. centigrade
                      .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
         QTRI USI
POINT
                     RIU 06 MOUNTING PANEL (OUTBOARD) TEMP in deg. centigrade
         OTRIU60
                      .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
         OTRIUSO
                     SAD MOUNTING PANEL TEMP in deg. centigrade
POINT
         QTSADPL
                      .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
         OTSADPL
                     S-BAND XMTR PNL NO. 1 TEMP in deg. centigrade
POINT
         QTSBXP1
                      .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
         QTSBXP1
                     S-BAND XMTR PNL NO. 2 TEMP in deg. centigrade
POINT
         QTSBXP2
                      .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
         QTSBXP2
COEFF
                     TM ATTACH FITTING NO. 1 TEMP in deg. centigrade
POINT
         QTTMAF1
                      .92447E+2,-.16960E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
         QTTMAFT
                     TM ATTACH FITTING NO. 2 TEMP in deg. centigrade
POINT
         QTTMAF2
                      .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
         QTTMAF2
                     TM ATTACH FITTING NO. 3 TEMP in deg. centigrade
POINT
         QTTMAF3
                      .92447E+2.-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
         QTTMAF3
                     TM ATTACH FITTING NO. 4 TEMP in deg. centigrade
POINT
         QTTMAF4
                      .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
         QTTMAF4
                     UPPER BOOM TEMP in deg. centigrade
POINT
         QTUBIF
                      .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
         QTUBIF
                     UPPER BOOM PWR HINGE TEMP in deg. centigrade
POINT
         QTUBPWH
                      .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.61211E-6,-.10389E-8
COEFF
         QTUBPWH
                     -Y BULKHEAD TEMP in deg. centigrade
POINT
         QTYBKHD
COEFF
         QTYBKHD
                     .92447E+2,-.16969E+1,.18753E-1,-.14574E-3,.6121-6,-.10389E-8
```

OF POOR QUALITY

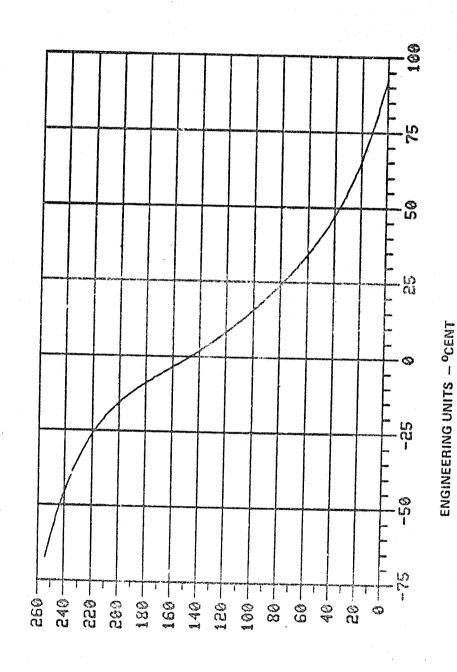
ORIGINAL PAGE IS OF POOR QUALITY



HUJUEUHES CODZEN

COUNTS US ENGINEERING UNITS FOR GTAPXF1

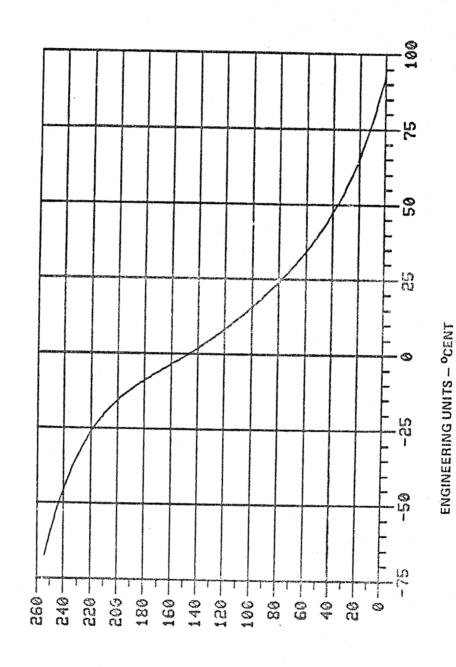
ORIGINAL PAGE IS OF POOR QUALITY



トローにといく くりつとてい

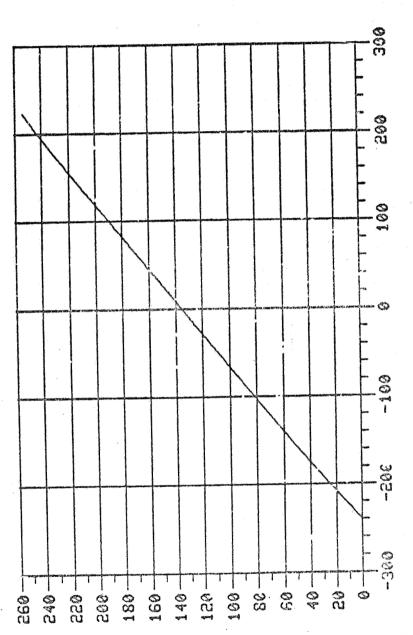
COUNTS US ENGINEERING UNITS FOR OTAPAF2

COUNTS US ENGINEERING UNITS FOR GIAPXF3



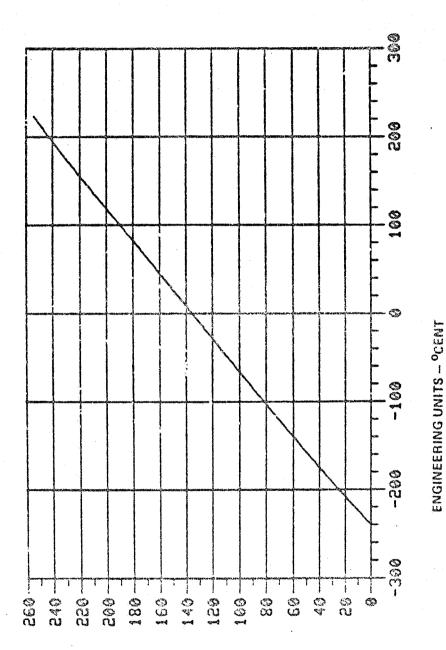
トモーミリア くりしだすら

COUNTS US ENGINEERING UNITS FOR OTARRY1



ENGINEERING UNITS - OCENT

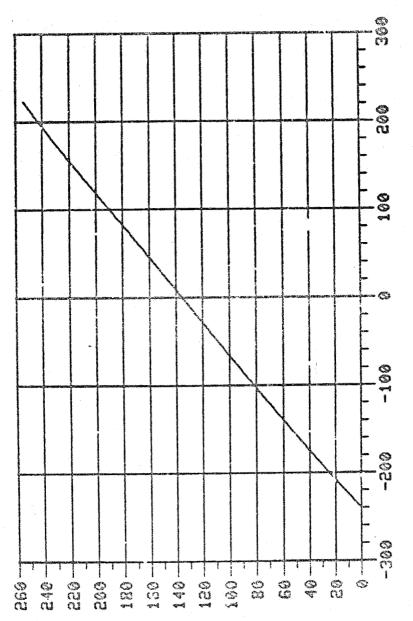
FMUMEMFR> COUSEA



COUNTS US ENGINEERING UNITS FOR GTARRY?

-WJMEM-G> CODZHO

ENGINEERING UNITS — "CENT

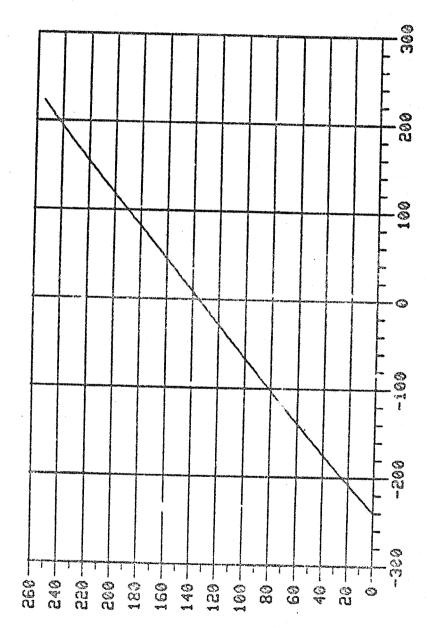


COUNTS US ENGINEERING UNITS FOR GTARRYS

FULUEUFOX CODZEG

ENGINEERING UNITS - OCENT

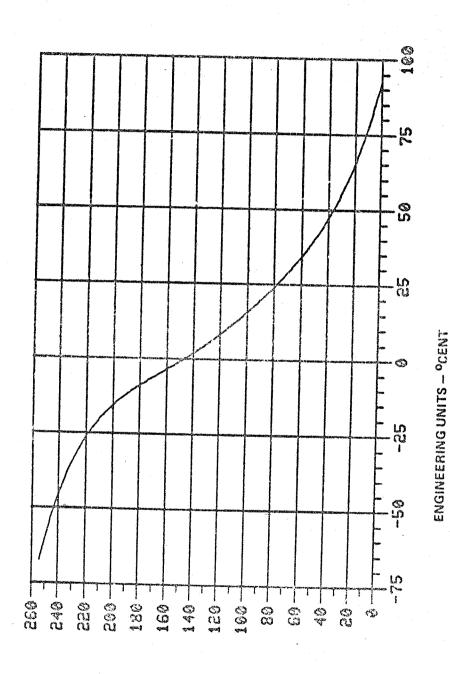
ORIGINAL PAGE IS OF POOR QUALITY



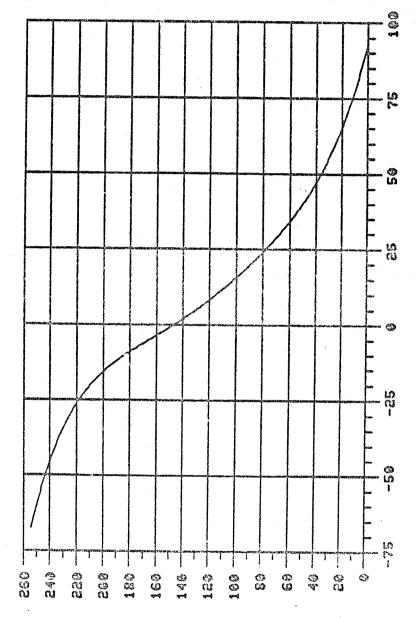
COUNTS US ENGINEERING UNITS FOR GTARRY4

HULLUFED COTZEG

COUNTS US ENGINEERING UNITS FOR GTBJPYO



トミーにと くりしととら

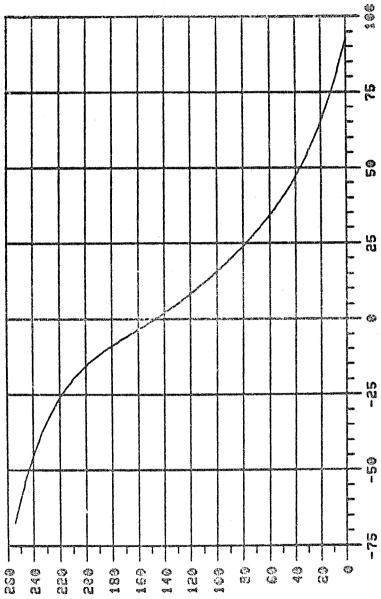


ENGINEERING UNITS - OCENT

-M-M-G> OOZEO

COUNTS US EMGINEERING UNITS FOR GTBLF1

ORIGINAL PAGE IS OF POOR QUALITY



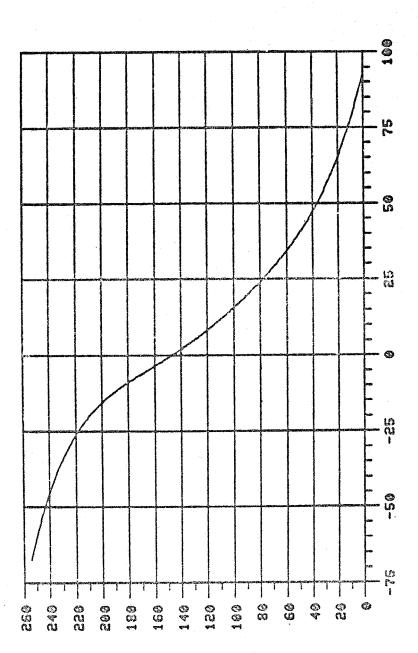
ENGINEERING UNITS - "CENT

HUJUEWHE> CODEHO

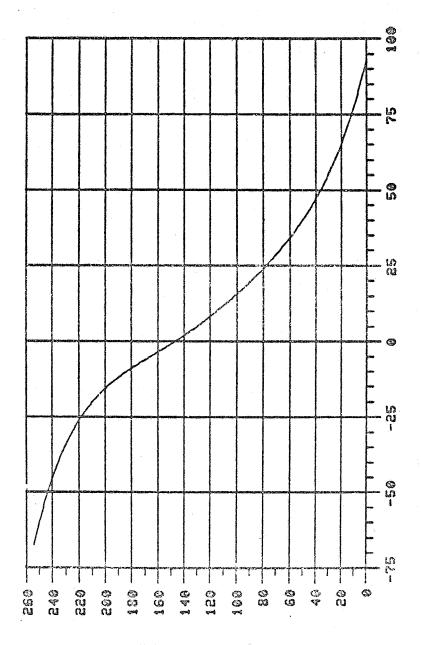
COUNTS US ENGINEERING UNITS FOR OTBLF2

~





ENGINEERING UNITS - OCENT



ENGINEERING UNITS - OCENT

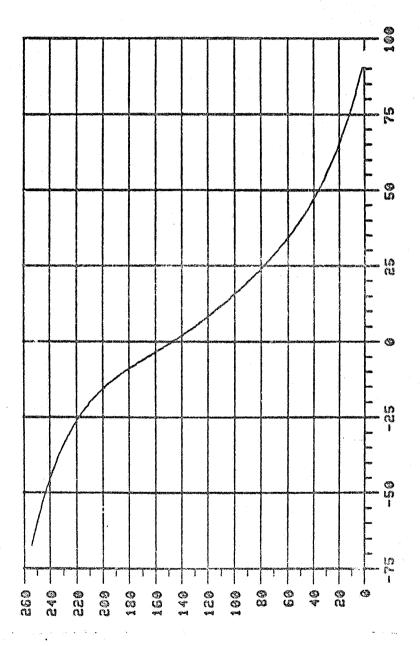
PHIMEMPRE CODEFU

COUNTS US ENGINEERING UNITS FOR OTCUBE

· · · · · ·

A 4m 4m

ORIGINAL PAGE IS OF POOR QUALITY



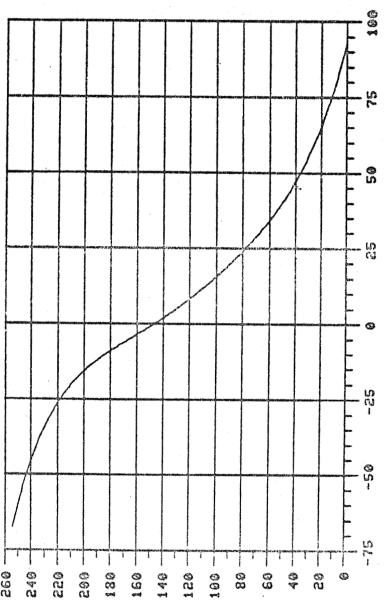
ENGINEERING UNITS - OCENT

トローロをはしない くりつストの

COUNTS US ENGINEERING UNITS FOR OTEOPHA

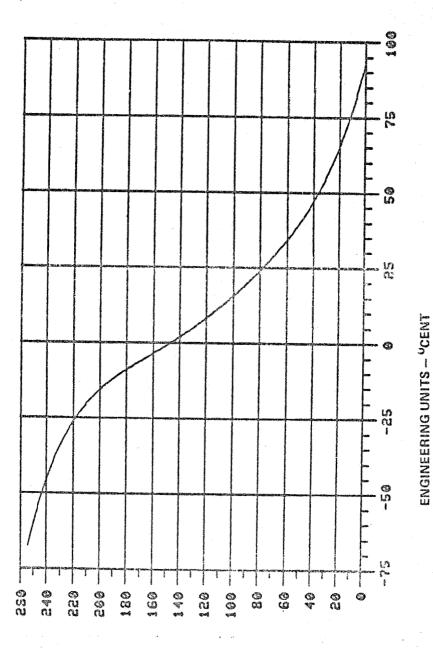
ORIGINAL PAGE IS OF POOR QUALITY

COUNTS US ENGINEERING UNITS FOR OTEOPNS



ENGINEERING UNITS - OCENT

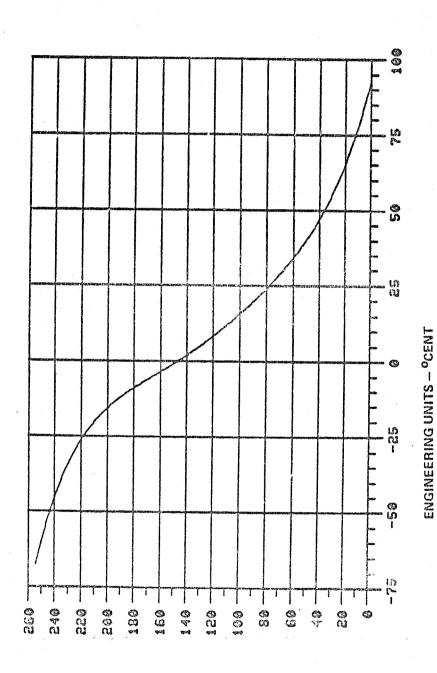
HUJUEULES CODZEG



トロニロミロトロン いつコストの

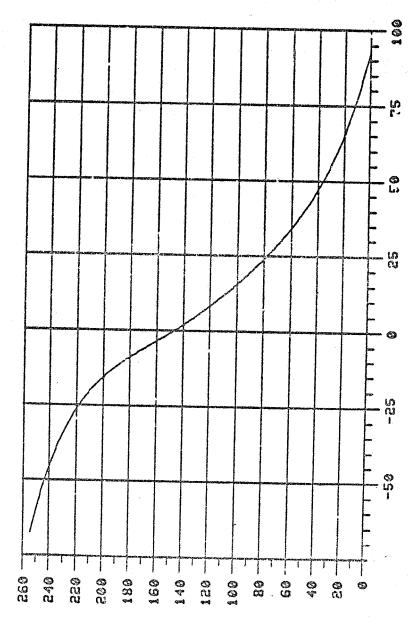
COUNTS US ENGINEERING UNITS FOR ATEQPHS





FUJUEUFC> CODEFO

ORIGINAL PAGE IS OF POOR QUALITY



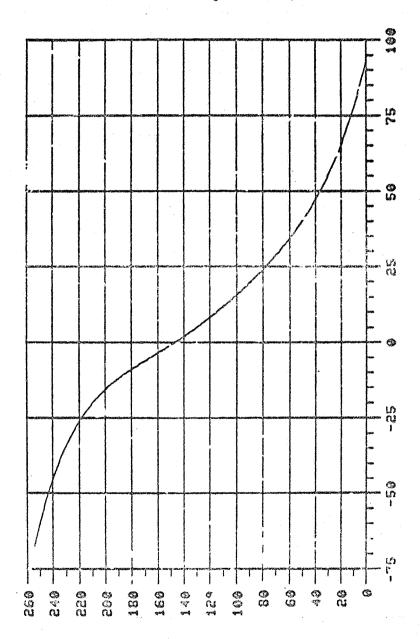
ENGINEERING UNITS - OCEN F

-WAMEMPED COSERO

COUNTS US ENGINEERING UNITS FOR OTEOPPE

A, 19 20

CRIGINAL FLAGE ().
OF POOR QUALITY



ENGINEERING UNITS - OCENT

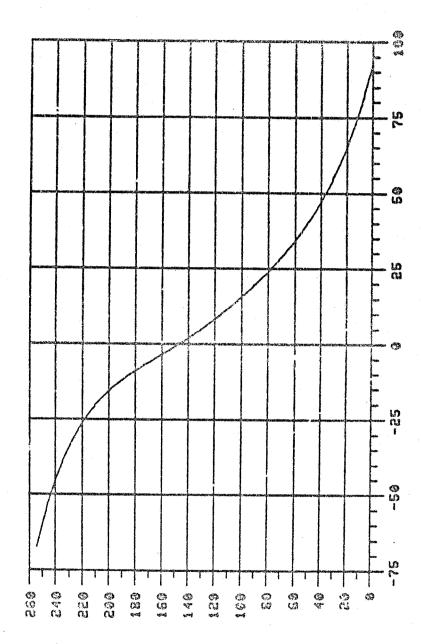
**いまいこの くりょきょうしょう** 

COUNTS US ENGINEERING JRITS FOR OTEOPPS

ENGINEERING UNITS - OCENT

COUNTS US ENGINEERING UNITS FOR GIGPSAP

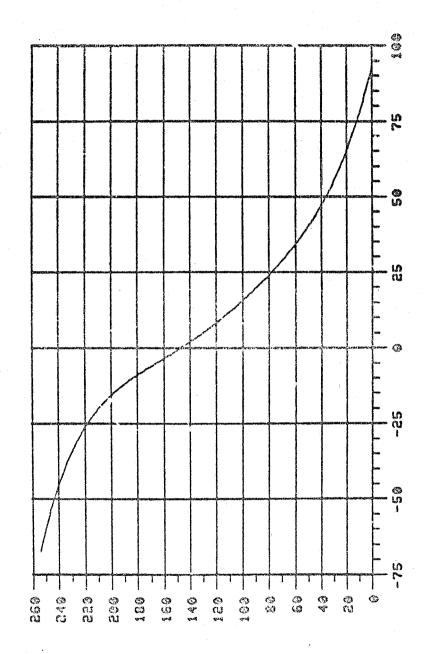
ORIGINAL PAGE IS OF PCOR QUALITY



HUJUEUPES CODEFO

ENGINEERING UNITS - OCENT

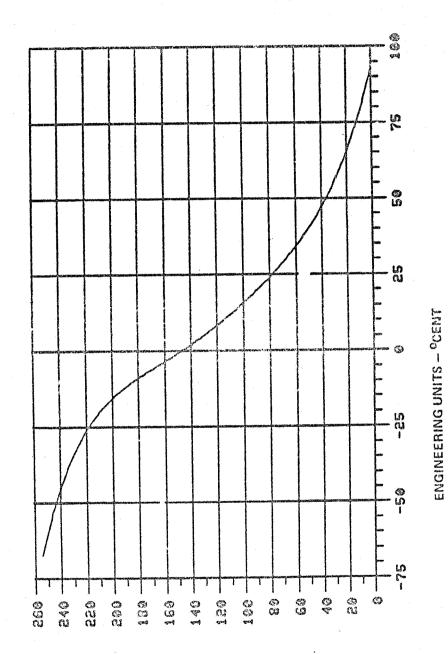
ORIGINAL PAGE IS OF POOR QUALITY



HULUEUFES CODEFO

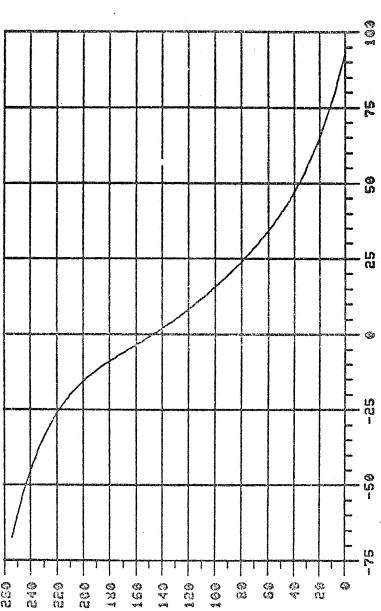
COUNTS US ENGINEERING UNITS FOR OTLBPUHI

ORIGINAL PAGE IS OF POOR QUALITY



-wawswees cosses

COUNTS US ENGINEERING UNITS FOR GTHSSHT

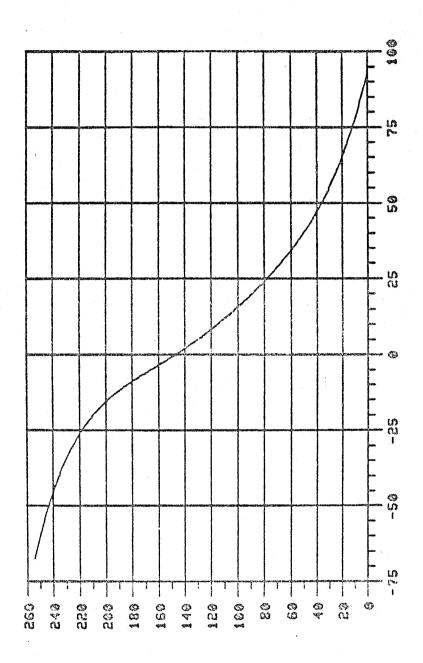


ENGINEERING UNITS - OCENT

トロコロミローはン 000ZF0

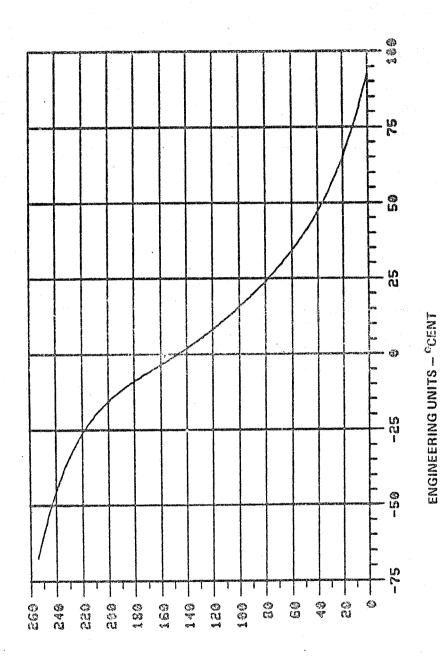
ENGINEERING UNITS - OCENT

ORIGINAL PAGE IS OF POOR QUALITY



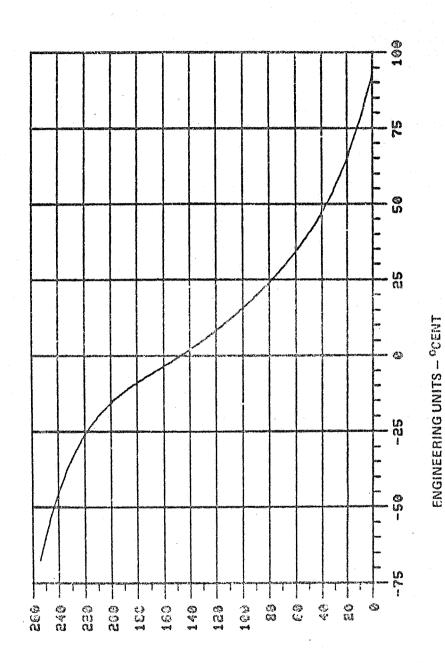
-MIMEMPR> CODEFU

ORIGINAL PAGE IS OF POOR QUALITY



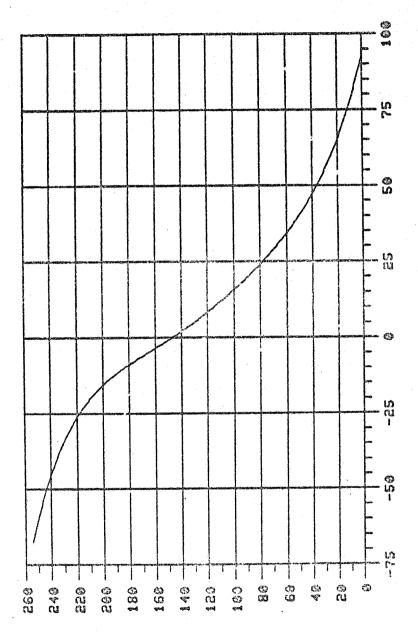
いっとしょう くりつとてら

ORIGINAL PAGE IS OF POOR QUALITY



トロコロをはトな> いつつを下の

ORIGINAL PAGE IS OF POOR QUALITY

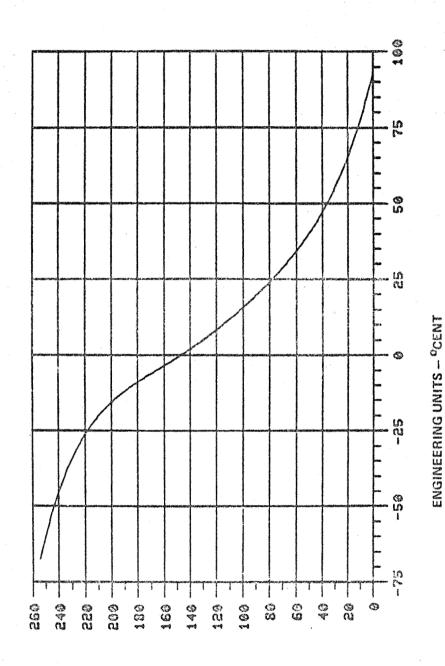


ENGINEERING UNITS — OCENT

FULUEUFES COSZEG

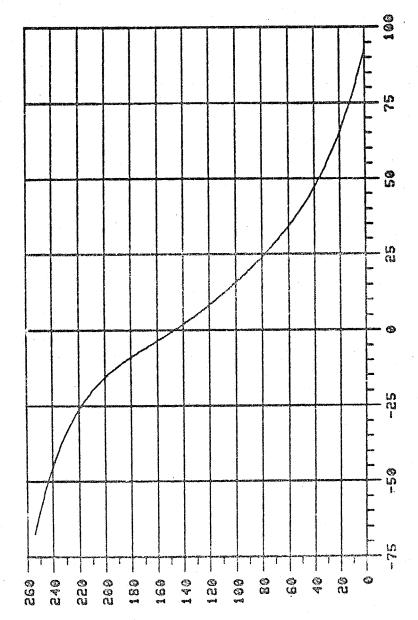
COUNTS US ENGINEERING UNITS FOR GTPDUIB

ORIGINAL PAGE IS OF POOR QUALITY



MAZEOO <BAUEULA

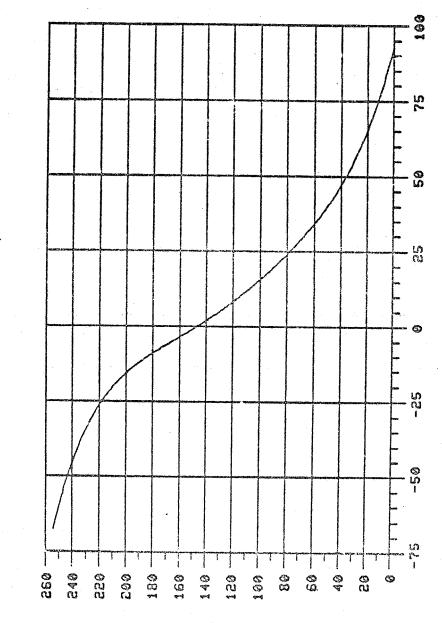
COUNTS US ENGINEERING UNITS FOR OTPDUOB



ENGINEERING UNITS - OCENT

トミュロドロトな> くりつだーと

COUNTS US ENGINEERING UNITS FOR GTPOSYK



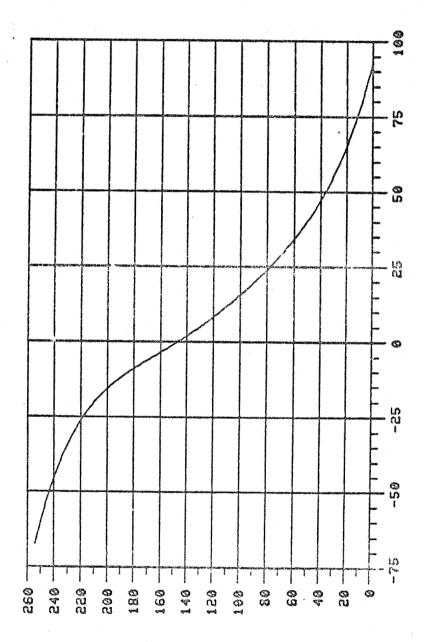
ENGINEERING UNITS - OCENT

トミしほがきてなり らりひれてら

COUNTS US ENGINEERING UNITS FOR OTRFCPO

A. 13, 33

ORIGINAL PAGE IS

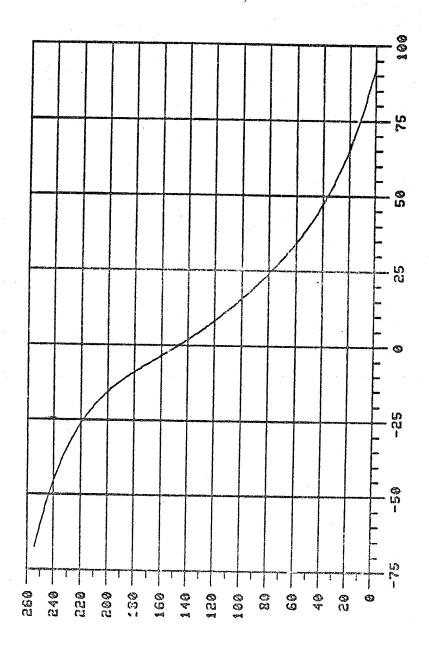


ENGINEERING UNITS - OCENT

FULUEUFED CODZEG

COUNTS US ENGINEERING UNITS FOR WIRIUGI

ORIGINAL PAGE 18 OF POOR QUALITY



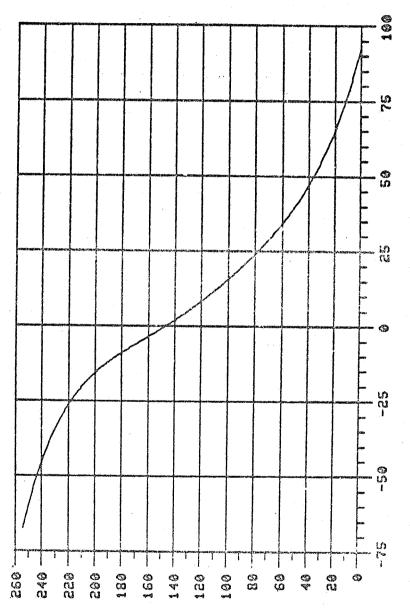
ENGINEERING UNITS - OCENT

PULUEMPED CODZEN

COUNTS US ENGINEERING UNITS FOR OTRIUGO

COUNTS US ENGINEERING UNITS FOR ATSADPL

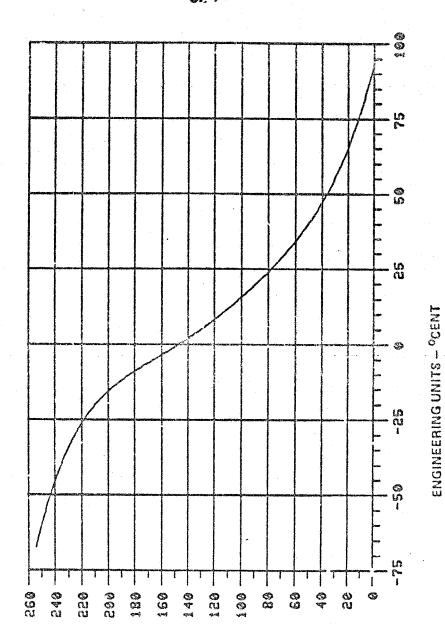
CRIGHTAL PAGE IS OF POOR QUALITY



ENGINEERING UNITS - OCENT

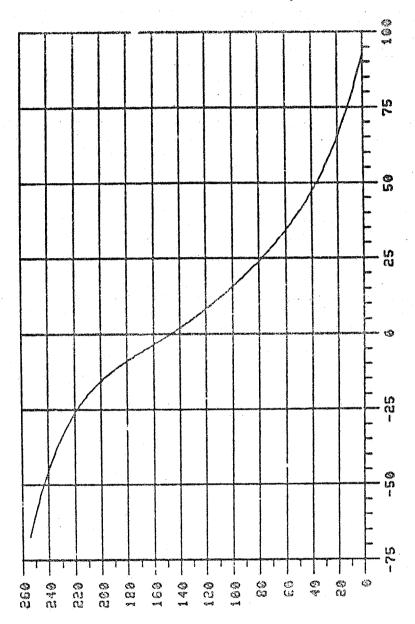
FULUEUFC> CODZEG

ORIGINAL PAGE IS OF POOR QUALITY



**FUJUEU≻C> CODZFの** 

CRICINAL PACT IS OF POCK QUALITY

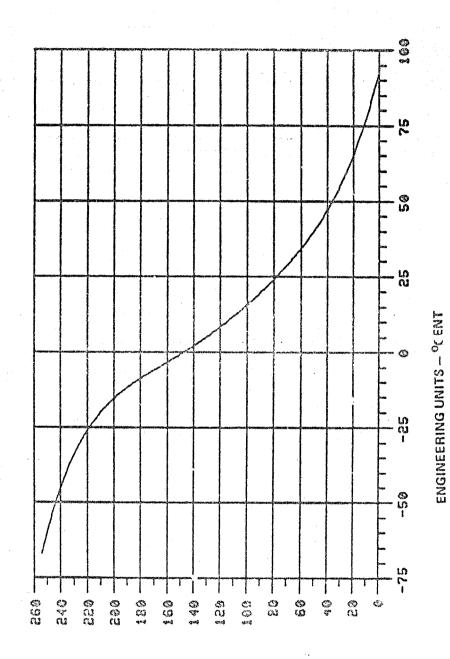


ENGINEERING UNITS - "CENT

トミュロにはトス> 0032トの

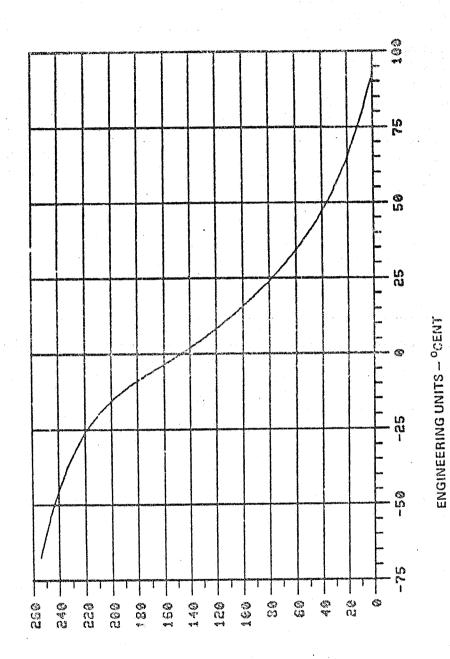
COUNTS US ENGINEERING UNITO FOR OTTHAFI

ORIGINAL PAGE IS OF POOR QUALITY



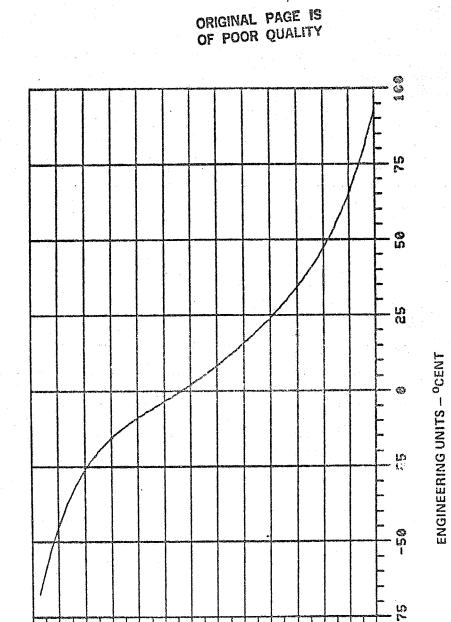
トローロエロトペン ひつストの

ORIGINAL PAGE IS OF POOR QUALITY



下川山田田田下区> いりコストの

COUNTS US ENGINEERING UNITS FOR OTTMAFS



4. © Ø

(S)

රු

(3) (3)

トローロスにゅう くりコストの

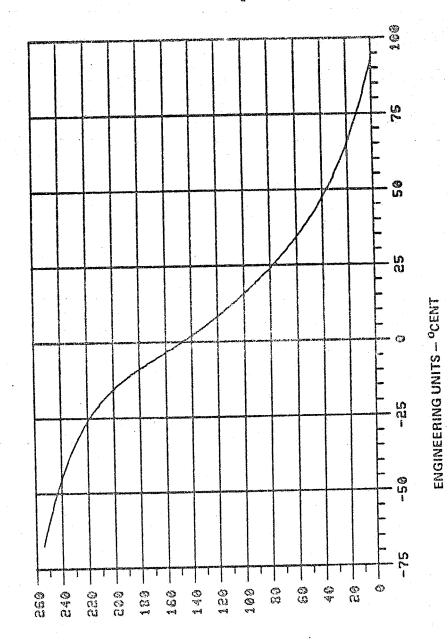
0 0

୍ଦ ଓ

(N)

 0 0 T ()

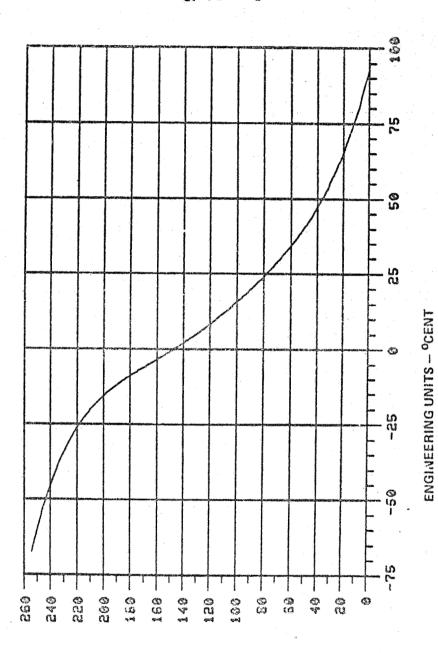
ORIGINAL PAGE IS OF POOR QUALITY



FUJUENIEN CODZEN

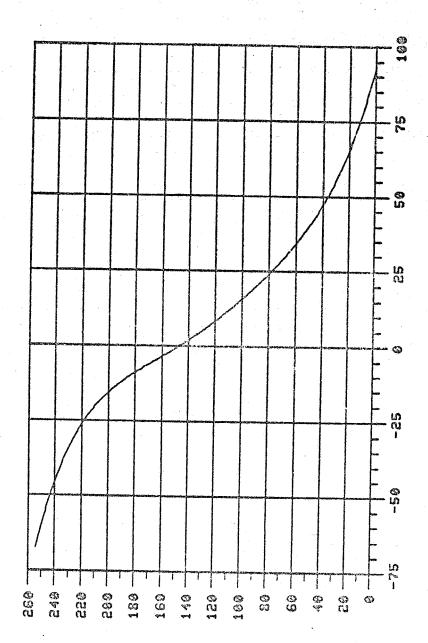
COUNTS US ENGINEERING UNITS FOR QTUBIF

ORIGINAL PAGE IS OF POOR QUALITY



FM-MEMFR> CODZEO

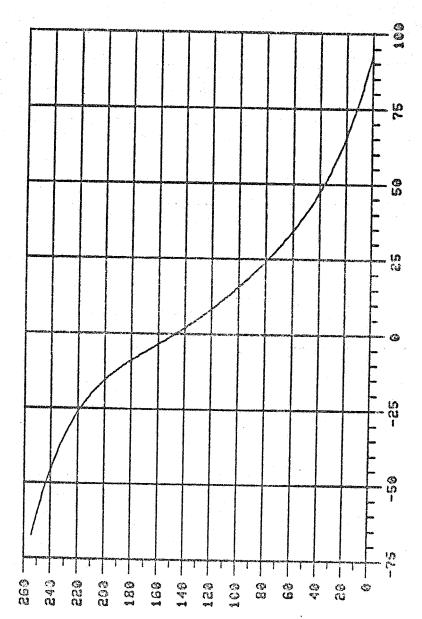
ORIGINAL PAGE IS DE POOR QUALITY



ENGINEERING UNITS - CCENT

トピーにいい くりしだてら

ORIGINAL PAGE 18 OF POOR QUALITY



ENGINEERING UNITS - OCENT

トミーロー くりしばしい

COUNTS US ENGINEERING UNITS FOR GTYBKHD

SVS-10266/3A Appendix A June 1982

#### APPENDIX A.20

SOLAR ARRAY RETENTION, DEPLOYMENT, AND JETTISON ASSEMBLY (SARDJA)

### TELEMETRY CALIBRATION DATA

See Appendix A.11 (PDU Telemetry Calibration Data) for SARDJA telemetry calibration data.

LSD-WPC-263

A 20-4

```
FDU POINT DEF.
 POINT YACSAIN
                                                : SAFEHOLD A MACS SAFEHOLD SGNL /ES/NO
 POINT YACSBIN
                                          SAFEHOLD B MACS SAFEHOLD SGML YES/NO
                                        FORMATTER/ADS POWER ON/OFF
SAFEHOLD A CSS SAD RATE CONTROL
 POINT YADSPUR
 POINT YCSSART
                                      SAFEHOLD B CSS SAD RATE CONTROL
PDU STATUS WORD NO. 1
DEPLOY HODE FWD/RETRACT
DEPLOY INHIBIT LOGIC ENA/DISA
 POINT YCSSBRT
 POINT YDEPLOY
 POINT YOPLDIR
 HAILAGY TAIOS
 POINT YOPLRET
                                             SA/LH RETRACT ALLOW/DISALLOW
                                      DEPLOY DRIVING/NOT DRIVING
DPU FULL ON/STANDBY
PDU A RIU A/B
 POINT YDPLSTA
 POINT YDPUPHR
 POINT YELARIU
 POINT YELBRIU
POINT YESBLAK
                                          ; PDU B RIU A/B
                                          TH FSAL LINKS PUR ENA/DISA
                                            GPS PUR ENAPOISA
 POINT YGPSPUR
                                        HINGE HEATERS ON/OFF
SAFEHOLD A AT INDEX POSITION NO/YES
SAFEHOLD B AT INDEX POSITION NO/YES
LOWER HINGE DEPLOY/NOT DEPLOY
 POINT YHNGHTR
 POINT YIOXSGA
 POINT YIDXSGB
POINT YLHPOS

LOWER HINGE DEPLOY/NOT DEPLOY
POINT YLHSEL

FOINT YLSDMOD

POINT YLSDMOD

POINT YMDASTA

POINT YMDASTA

POINT YMDBSTA

POINT YMSAPWR

POINT YMSAPWR

POINT YMSAPWR

POINT YMSHPWR

POINT YMSHPWR

POINT YPDUDIST

POINT YPDUDIST

POINT YPDUDIST

POINT YSADCTL

SAD RATES NOT CONTROLLING/CONTROLLING
POINT YSADCTL

SAD INHIBIT LOGIC ENA/DISA

POINT YSADCTL

SOLAR ARRAY DRIVE RATE

POINT YSALOCT

POINT YSALOCT

POINT YSALOCT

POINT YSALOCT

SOLAR ARRAY POSITION NO. 2
 POINT YLHPOS
                                   SOLAR ARRAY POSITION NO. 2
 POINT YSALOC2
                                    SOLAR ARRAY DEPLOYED/NOT DEPLOYED
DASB PWR A ENA/DISA
DASB PWR B ENA/DISA
SEG SWITCH 1 GT 180/LT 180 DEG
 POINT YSAPOS
 POINT YSBAPUR
 POINT YSSBPUR
 POINT YSEGSUL
                                           SEG SWITCH 2 GT 1807LT 180 DEG
SAFEHOLD A ACTIVATE DISAZENA
 POINT YSEG US
 POINT YSHAACT
POINT YSHACTL
                                             : SAFEHOLD A CONTROLLING NO/YES
POINT YSHAMOD
                                           SAFEHOLD A EARTH SNSR/INERTIAL MODE SAFEHOLD A DISA/ENA
POINT YSHASTA
                                           SAFEHOLD B ACTIVATE DISA/ENA
SAFEHOLD B CONTROLLING NO/YES
SAFEHOLD B EARTH SNSR/INERTIAL MODE
SAFEHOLD B DISA/ENA
POINT YSHBACT
POINT YSHBCTL
POINT YSHRMOD
POINT YSHBSTA
```

POINT YSHAHTR \* TM SHA HTR PUR ENA/OISA POINT YSR2BUS SPARE RELAY 2 BUS A/BUS B POINT YSR2PHR SPARE RELAY 2 ON/OFF POINT YTICTOC : CMD VERIFICATION TIC/TOC POINT YTLOGIC : POU LOGIC TEMP POINT YTHI9V : TM 18V/20V MONITOR POINT YTHAPUR TM PUR A ENA/DISA POINT YTHSPUR TH PUR B ENA/DISA POINT YTPS F POU PUR SUPPLY TEMP USS HTR 34 ENA/DISA POINT YUJAHTR POINT YUZSHTR USS HTR 38 ENA/DISA POINT YU3CBUS \* USS HTR 3C BUS A/BUS B POINT YU3CHTR USS HTR 3C ENA/DISA : UPPER HINGE DEFLOY/NOT DEPLOY POINT YUHPOS POINT YUHSEL ; UPPER HINGE SELECT/NOT SELECT POINT YVOLTS : +5V SUPPLY VOLTAGE POINT YXSBYHT : TM EXT STANDBY HTR ENA/DISA



SVS-10266/3A Appendix A June 1982

#### APPENDIX A.21

BOOM ANTENNA RETENTION, DEPLOYMENT, AND JETTISON ASSEMBLY (BARDJA)

#### TELEMETRY CALIBRATION DATA

See Appendix A.11 (PDU Telemetry Calibration Data) for BARDJA telemetry calibration data.

ORIGINAL PAGE IS OF POOR QUALITY

LSD-WPC-263

```
POU POINT DEF.
POINT YACSBIN

SAFEHOLD B MACS SAFEHOLD SGNL YES/NO
POINT YAOSPWR

POINT YAOSPWR

POINT YCSSART

POINT YCSSART

POINT YCSSART

POINT YCSSART

POINT YOUNG TORTH TO THE POINT YOUNG TO PAYOFF

POINT YOUNG TO THE POINT YOUNG T
              POINT YACSAIN
                                                                                                                                                                                                                                                              : SAFEHOLD A MACS SAFEHOLD SGNL YES/NO
              POINT YACSBIN
                                                                                                                                                                                                                                                                    I SAFEHOLD B MACS SAFEHOLD SGNL YES/NO
            POINT YSBAPWR
POINT YSBBPWR
POINT YSEGSWI
POINT YSEGSWI
POINT YSEGSWI
POINT YSEGSWZ
POINT YSAACT
POINT YSHAACT
POINT YSHACT
POINT YSHBACT
POINT YSHBACT
SAFEHOLD A CISA/ENA
POINT YSHBCT
SAFEHOLD B CONTROLLING NO/YES
POINT YSHBHDD
SAFEHOLD B CARTH SNSR/INERTIAL MODE
POINT YSHBSTA
SAFEHOLD B CARTH SNSR/INERTIAL MODE
```

n 3m 4 .m

POINT YCHAHTR ; TH SHA HTR PUR ENA/DISA POINT YSP28US SPARE RELAY 2 BUS A/BUS B POINT YSR2PHR ; SPARE RELAY 2 ON/OFF POINT YTICTOC : CMO VERIFICATION TIC/TOC POINT YTLOGIC : POU LOGIC TEMP POINT YTH19V : IM 184/204 MONITOR POINT YTHAPUR : IM PUR A ENA/DISA POINT YTHBPUR TH PUR B ENA/DISA POINT YTPS : PDU PHR SUPPLY TEMP POINT YUSAHTR : USS HTR 3A ENA/DISA POINT YUBBHIR : USS HTR 3B ENA/DISA POINT YU3CBUS : USS HTR 3C BUS A/BUS 8 POINT YUJCHTR : USS HTR 3C ENA/DISA POINT YUHPOS : UPPER HINGE DEPLOY/NOT DEPLOY POINT YUHSEL : UPPER HINGE SELECT/NOT SELECT POINT YVOLTS : +5V SUPPLY VOLTAGE POINT YXSBYHT : TH EXT STANDBY HIR ENAPOISA